7V WIDE TOUCH SCREEN MONITOR

LZ-760R

SERVICE MANUAL

KENWOOD

Kenwood Corporation

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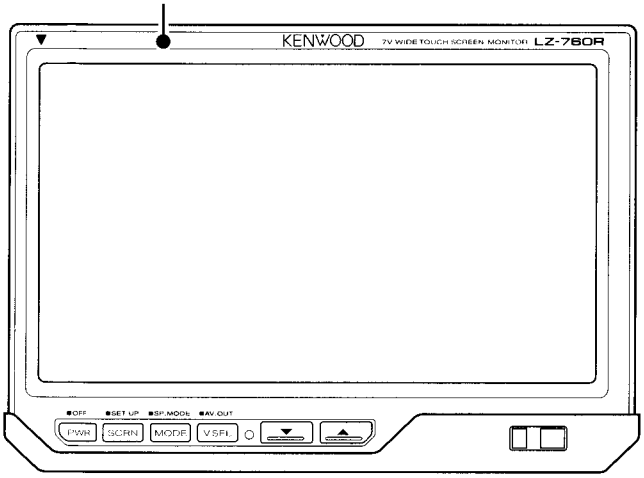
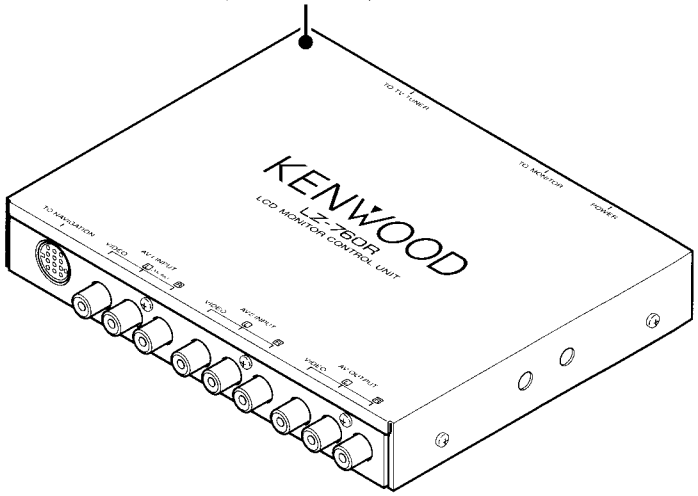
B53-0320-00 (N) 1228

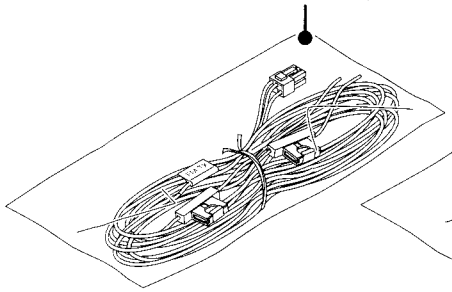
Panel
(A64-3685-01)



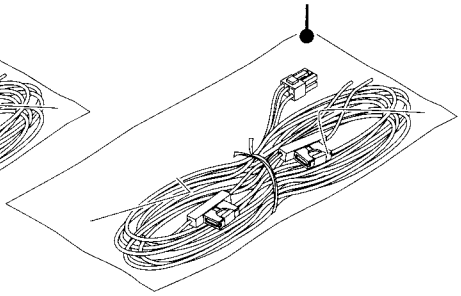
Metallic cabinet
(A01-2879-02)



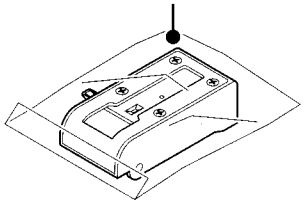
DC cord (Destination M)
(E30-6464-05)



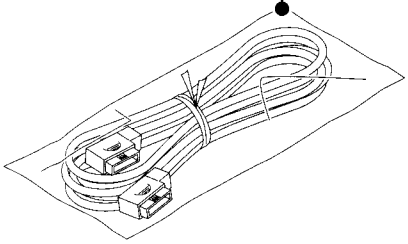
DC cord (Destination E)
(E30-6493-05)



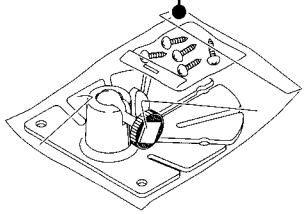
Catch assy (Not supplied as assy)
(Refer to the exploded view for each part)



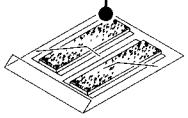
Cord with plug
(E30-6465-05)



Mounting hardware
(W01-1508-05)

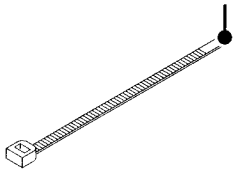


Magic tape
(H30-0051-05)

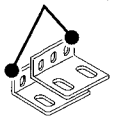


Screw set
(N99-1753-05)

Wire band
(J61-0620-05)



Mounting hardware
(J22-0054-14) x2



Cushion
(G11-3662-14) x2

This product uses Lead Free solder.

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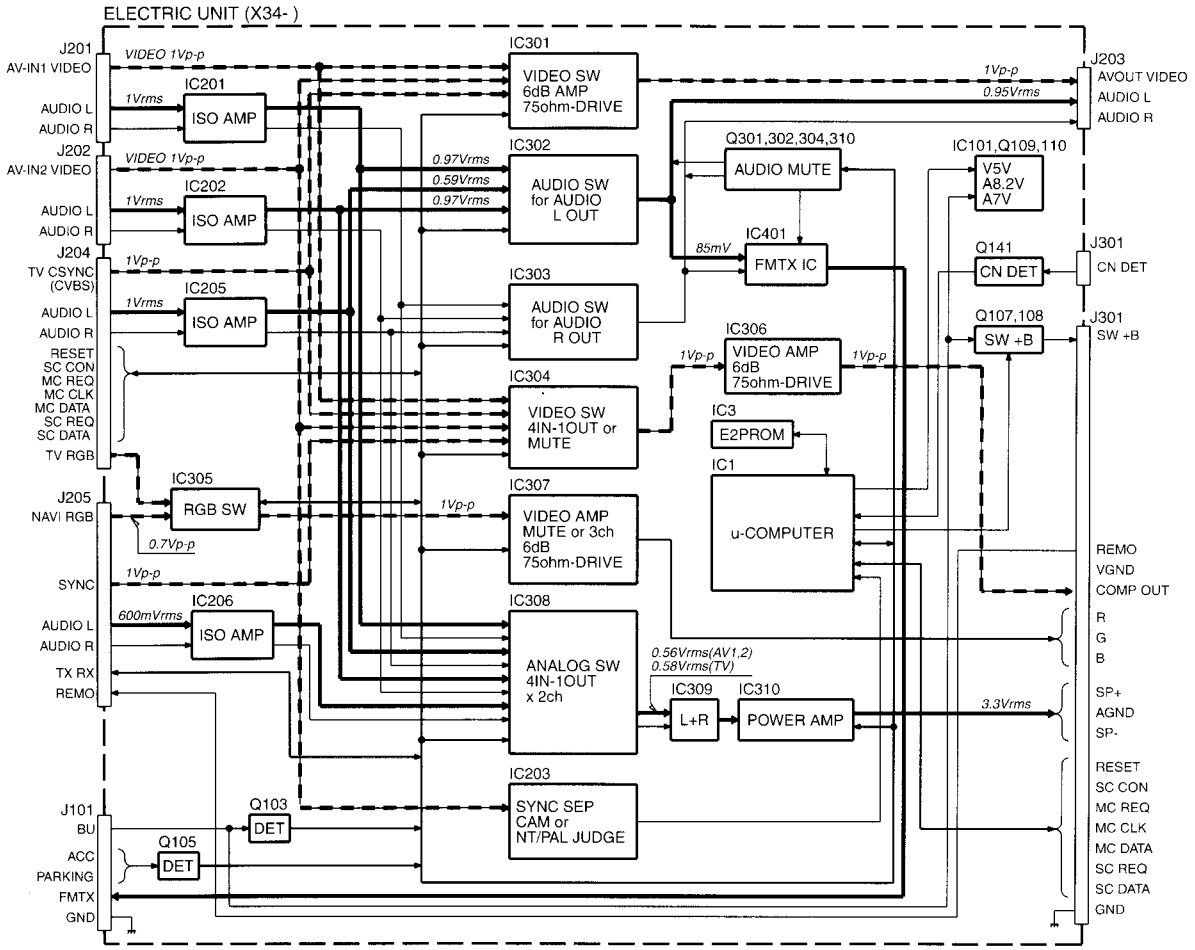
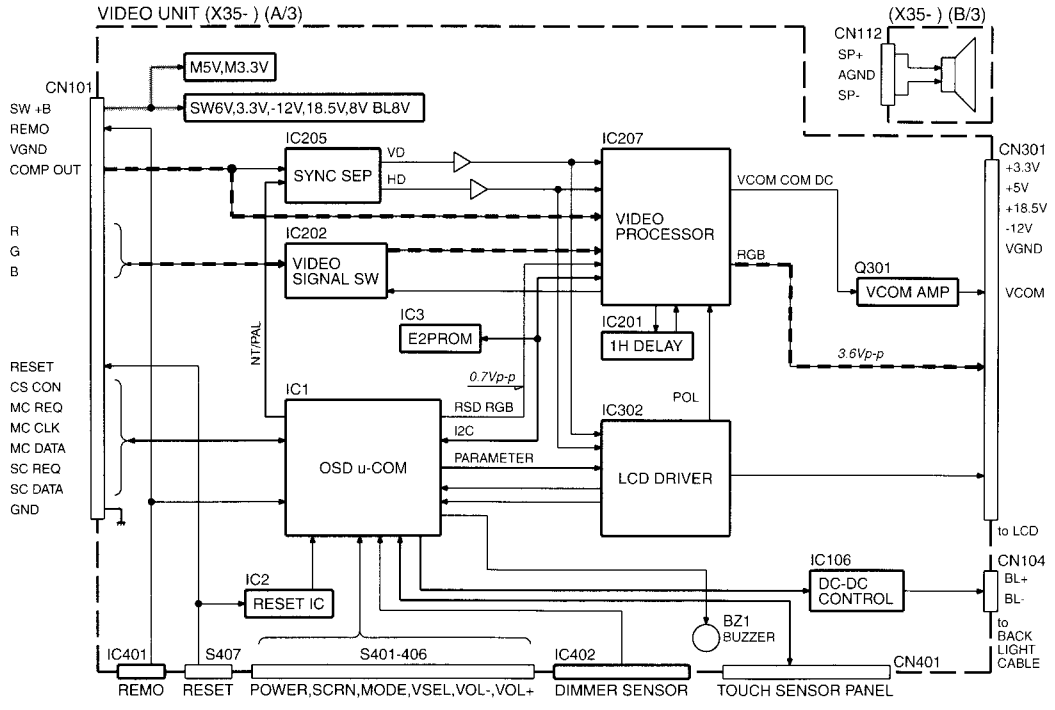
BLOCK DIAGRAM





COMPONENTS DESCRIPTION

● ELECTRIC UNIT (X34-3xxx-xx)

Ref.No.	Description	Processing Operation
IC1	SYSTEM μ-COM	Controls functions
IC2	RESET IC	Reset control
IC3	E2PROM	Data storage
IC101	5V REG	Switches 5V
IC102	DC-DC CONTORL	Controls DC-DC converter
IC103	5V REG	Microprocessor 5V
IC201	ISO AMP	Audio input isolation amplifier (AV-IN1)
IC202	ISO AMP	Audio input isolation amplifier (AV-IN2)
IC203	CAM or NT/PAL JUDGE	Sync separator
IC204	NON-INVERTER	Buffer
IC205	ISO AMP	Audio input isolation amplifier (TV)
IC206	ISO AMP	Audio input isolation amplifier (NAVI)
IC207	NON-INVERTER	Buffer
IC301	VIDEO SW	Video output selector (AV OUT)
IC302	AUDIO SW	Audio output selector (L)
IC303	AUDIO SW	Audio output selector (R)
IC304	VIDEO SW	Video output selector (MONITOR R, G, B)
IC305	VIDEO SW	Video output selector (MONITOR)
IC306	VIDEO AMP	75Ω Driver with 6dB amp for composite signal
IC307	VIDEO AMP	75Ω Driver with 6dB amp for R, G, B signal
IC308	ANALOG SW	Audio output selector (MONITOR)
IC309	DUAL OPERATIONAL AMP	Mixing and inverting amplifier
IC310	POWER AMP	Amplifier for Speaker Unit
IC401	FMTX IC	FM-Transmiter
IC403	NON-INVERTER	Buffer
Q1	Digital transistor	Digital transistor for TV reset
Q2	Digital transistor	Reset mute drive transistor
Q3	Digital transistor	Mute transistor at RESET
Q103	Transisitor for BU detection circuit	Composes BU DET circuit with Q101 and its peripherals
Q105	Transisitor for ACC detection	Composes ACC DET circuit
Q106	Transisitor for Parking detection	Composes Parking DET circuit
Q107,108	Transisitor for SW +14.4V regulator	Composes return-type regulator with Q107,108 and their peripherals
Q109,110	Power supply filter for 7 V	Filter circuit of a power supply for 7 V
Q111	Power supply SW for inverter	Receives switching pulse from IC102 and conduct switching on FET
Q112	Power supply SW FET for inverter	Composes swiching regulator along with IC102
Q131,132	The digital transistor for DC/DC power supply SW control	ON/OFF control of a DC/DC circuit. It turns on by Hi
Q141	Transistor for CN DET detection	Connector desorption detection
Q201	The buffer circuit for video signals	Buffer circuit
Q301,302	Muting Transistor for L, Rch	Microcomputer output Hi turns Q301 and Q302 on which triggers muting
Q303	Muting Driver for Rch	The mute drive transistor for Rch
Q304	Muting Driver for Lch and Rch	The mute drive transistor for Rch and Lch
Q306,307	Digital transistor for MUTE	The mute transistor for a signal selection
Q309	Digital transistor for SP MUTE	Turns Power AMP vol 0 and causing muting

COMPONENTS DESCRIPTION

Ref.No.	Description	Processing Operation
Q310	Muting Driver for Lch	The mute drive transistor for Lch
Q401,402	FM-TX power supply SW	Hi when FM-TX is on, power is supplied
Q403,404	Switching FM-TX frequency polarization	Switches FM-TX freqency polanzation in three level at Q403, 404 and their peripherals
Q405,406	For FMTX PLL	Composes PLL of FM-TX with Q405, 406 and their peripherals

● VIDEO UNIT (X35-4xxx-xx)

Ref.No.	Description	Processing Operation
IC1	OSD μ-COM	Controls functions
IC2	RESET IC	Reset control
IC3	E2PROM	Data storage
IC101,IC102	AND GATE	Level shift from 3V to 5V
IC103	NON-INVERTER	Level shift from 5V to 3V
IC104	DC-DC CONTROL	Controls DC-DC converter
IC105	AND GATE	5V, 8V watcher
IC106	DC-DC CONTROL	BL Control
IC107	5V REG	Supplies 5V to μ-COM
IC108	3.3V REG	Supplies 3.3V to μ-COM
IC109	3.3V REG	Switches 3.3V
IC201	1H Delay	1H-delay for PAL chroma signal
IC202	VIDEO SIGNAL SW	R, G, B clamper
IC204	NON-INVERTER	Buffer
IC205	SYNC SEPARTOR IC	Synchronous separator with countdown
IC206	AND GATE	Buffer
IC207	TIMING CONTROLLER	Video processor
IC208	5V REG	Supplies 5V to TIMING CONTROLLER
IC301	DUAL OP AMP	Drivers and buffers V-COM
IC302	TFT-LCD DRIVER	TFT-LCD driver
IC401	REMOTE CONTROL SENSOR	Remote control sensor
IC402	DIMMER SENSOR	Dimmer sensor
Q1,2	Digital transistor	Digital transistor for reset
Q3	Digital transistor	Beep drive transistor
Q108	Transisitor for +B detection circuit	Composes +B DET circuit with Q109 and its peripherals
Q110	Power supply SW for inverter	Receives switching pulse from IC104 and conduct switching on FET
Q111	Power supply SW FET for inverter	Composes swiching regulator along with IC104
Q112,118	The digital transistor for DC/DC power supply SW control	ON/OFF control of a DC/DC circuit. It turns on by Hi
Q116	Power supply SW for inverter	Receives switching pulse from IC104 and conduct switching on FET
Q117	Power supply SW FET for inverter	Composes swiching regulator along with IC104
Q201~205	C-CYNC buffer	Buffers C-CYNC
Q301	V-COM buffer	Buffers V-COM
Q302	VCO circuit	PLL oscillator
Q402~404	Swich	Touch panel control switch

MICROCOMPUTER'S TERMINAL DESCRIPTION

● SYSTEM μ-COM : IC1 on X34- (ELECTRIC UNIT)

Pin No.	Pin Name	I/O	Function	Processing Operation Description
1~6	NC	-	Open	
7	CAM DET	I	AV-IN2 signal detection input	Video vertical synchronization signal 50Hz/60Hz
8	BYTE	I	Not used	Connected to VSS
9	CNVSS	I	CNVss	Connected to VSS
10,11	NC	-	Open	
12	RESET	I	Reset input	L : Reset
13	XOUT	O	Main clock output	
14	VSS1	I	Ground 1	
15	XIN	I	Main clock input	
16	VCC1	I	Power supply input 1(5V)	
17	NMI	I	Not used	Pull-down to VSS
18	CN DET	I	Monitor attach/detach detection input	L : Monitor attached
19	BU DET	I	Backup power supply detection input	L : Backup power supply detected
20	ACC DET	I	ACC power supply detection input	L : ACC power supply detected
21	PRK DET	I	Parking detection input	H : Parking ON
22~25	NC	-	Open	
26	VOL	O	Volume adjustment output	PWM frequency 31.5kHz
27,28	NC	-	Open	
29	NAVI DO	I	NAVI communication data input RX	
30	NAVI DI	O	NAVI communication data output TX	
31	MC DATA 2	O	TV BOX communication master data output	
32	SC DATA 2	I	TV BOX communication slave data input	
33	BP CLK 2	O	TV BOX communication clock output	
34	NC	-	Open	
35	SC DATA 1	O	Monitor communication slave data output	
36	MC DATA 1	I	Monitor communication master data input	
37	MC CLK 1	I	Monitor communication clock input	
38	NC	-	Open	
39	NEW TV	I	TV BOX communication 2006 model identification input	L : 2006 model
40	NC	-	Open	
41	SC REQ 1	O	Monitor communication slave request output	
42	MC REQ 1	I	Monitor communication master request input	
43,43	NC	-	Open	
45	SC CON 2	O	TV BOX communication slave control output	
46	MC REQ 2	O	TV BOX communication master request output	
47~52	NC	-	Open	
53	I2C CLK	O	E2PROM SCL	
54	I2C DATA	I/O	E2PROM SDA	
55~61	NC	-	Open	

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MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation Description
62	VCC2	I	Power supply input 2 (5V)	
63	NC	-	Open	
64	VSS2	I	Ground 2	
65	FMTX DA	O	FMTX communication data output	
66	FMTX CLK	O	FMTX communication clock output	
67	FMTX CE	O	FMTX chip enable output	H : Enable
68	FMTX ON	O	FMTX power supply ON output	H : Power supply ON
69	FM DEVM	O	FMTX output level setting output	FM DEVM : L, FM DEVL : L → -12dB FM DEVM : L, FM DEVL : H → -6dB
70	FM DEVL	O		FM DEVM : H, FM DEVL : H → 0dB
71	FM MUTE	O	FMTX mute output	
72,73	NC	-	Open	
74	SC REQ 2	I	TV-BOX communication slave request input	
75	SC CON 1	I	Monitor communication slave control input	
76~79	NC	-	Open	
80	DEST	I	Destinations setting input	H : E destination
81	COMP MUTE	O	Composite mute output	Refer to Table 1, truth value table
82	SEL RGB	O	RGB TV/NAVI switching output	Refer to Table 1, truth value table
83	RGB MUTE	O	RGB mute output	Refer to Table 1, truth value table
84	+B ON	O	Monitor +B ON output	H : Monitor +B ON
85	P ON	O	Peripheral circuit power supply ON output	H : ON
86	SEL AVO4	O	AV-OUT switching output 4	Refer to Table 3, truth value table
87	SEL V2	O	Video switching output 2	Refer to Table 1, truth value table
88	SEL V1	O	Video switching output 1	Refer to Table 1, truth value table
89	SEL AVO3	O	AV-OUT switching output 3	Refer to Table 3, truth value table
90	P-WATCH	I	Peripheral circuit power supply level input	2.1V~2.9V
91	AOUT MUTE	O	AV-OUT mute output	H : Mute
92	SEL AVO2	O	AV-OUT switching output 2	Refer to Table 3, truth value table
93	SEL AVO1	O	AV-OUT switching output 1	Refer to Table 3, truth value table
94	SP MUTE	O	SP mute output	H : Mute
95	SEL SP2	O	SP switching output 2	Refer to Table 2, truth value table
96	AVSS	I	Analog ground input	Connected to VSS
97	SEL SP1	O	SP switching output 1	Refer to Table 2, truth value table
98	VREF	I	Analog reference voltage input	Connected to VSS
99	AVCC	I	Analog power supply input	Connected to VCC
100	NC	-	Open	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Truth Value Table (X34-)

Table 1 Video switching (SYSTEM μ-COM : IC1)

Terminal / Source		SEL V1 (pin88)	SEL V2 (pin87)	RGB MUTE (pin83)	SEL RGB (pin82)	COMP MUTE (pin81)
RGB		H	H	L	H	L
AV-IN1		L	L	H	H	L
AV-IN2		L	H	H	H	L
TV	PAL	H	L	H	L	L
	SECAM	H	L	L	L	L
MENU		H	H	H	L	H

Table 2 SP Audio switching (SYSTEM μ-COM : IC1)

Terminal / Source	SEL SP1 (pin97)	SEL SP2 (pin95)
RGB	H	H
AV-IN1	L	L
AV-IN2	H	L
TV	L	H

Table 3 AV-OUT switching (SYSTEM μ-COM : IC1)

Terminal / Source	SEL AVO1 (pin93)	SEL AVO2 (pin92)	SEL AVO3 (pin89)	SEL AVO4 (pin86)
RGB	H	H	H	H
AV-IN1	L	L	L	L
AV-IN2	L	H	L	H
TV	H	L	H	L

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MICROCOMPUTER'S TERMINAL DESCRIPTION

● **OSD μ-COM : IC1 on X35- (VIDEO UNIT)**

Pin No.	Pin Name	I/O	Function	Processing Operation Description
1	VHOLD1	I/O	Not used	Pull-down to VSS
2	HLF1	I/O	Not used	Pull-down to VSS
3	SCL	I/O	E2PROM I2C bus SCL	5V open drain input/output
4	SDA	I/O	E2PROM I2C bus SDA	5V open drain input/output
5	NC	-	Open	
6	REMO 3.3	I	Remote controller signal input	NEC transmission format
7	V SYNC	I	NTSC/PAL detection	Video vertical synchronization signal 50Hz/60Hz
8	BYTE	I	Not used	Connected to VSS
9	CNVSS	I	CNVss	Connected to VSS
10,11	NC	-	Open	
12	RESET	I	Reset input	L : Reset
13	XOUT	O	Main clock output	
14	VSS	I	Ground	
15	XIN	I	Main clock input	
16	VCCI	I	Power supply input 1(3.3V)	
17	OSC1	I	OSD filter terminal	Designated filter circuit
18	OSC2	O	OSD filter terminal	NC (OPEN)
19	POWER	I	Wakeup input	Recovery from below electric power consumption, L : Recovery (PWR key)
20	+B DET	I	Backup power supply detection input	H : Power supply detection
21	OSD BLK	O	OSD output 1	OSD black signal
22	OUT2	O	Not used	
23	NC	-	Open	
24	BL PWM	O	Backlight adjustment PWM output	PWM frequency 150.8Hz
25	NC	-	Open	
26	BEEP	O	Beep output	PWM frequency 2kHz
27	NC	-	Open	
28	SCLK	I/O	Video processing IC SCL	5V open drain input/output
29,30	NC	-	Open	
31	SDATA	I/O	Video processing IC SDA	5V open drain input/output
32	OSD R	O	OSD output R	Analog R output (0~1V)
33	OSD G	O	OSD output G	Analog G output (0~1V)
34	OSD B	O	OSD output B	Analog B output (0~1V)
35	MCDATA	O	BOX interface master data output	
36	SCDATA	I	BOX interface slave data input	
37	BPCLK	O	BOX interface clock output	
38	BUSY	O	Flash writing output	
39,40	NC	-	Open	
41	P ON	O	Peripheral circuit power supply ON output	H : ON
42	INV EN	O	Inverter enable output	H : Begin inverter operation
43	INTEXT	O	RGB/Composite selector output	H : When displaying RGB
44	V MUTE	O	Video muting output	H : Mute

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation Description
45	NC	-	Open	
46	NTSC PAL	O	NTSC/PAL selector output	H : PAL
47	P WATCH	I	Power supply abnormality detection input	L : Power supply abnormality detection
48	SCREQ	I	BOX interface slave request input	
49	POWER	I	PWR key input	L : Key ON
50	VSEL	I	V.SEL key input	L : Key ON
51	MODE	I	MODE key input	L : Key ON
52	SCRN	I	SCRN key input	L : Key ON
53	VOL-	I	VOL- key input	L : Key ON
54	VOL+	I	VOL+ key input	L : Key ON
55	YOBI	I	Spare key input	L : Key ON
56~59	NC	-	Open	
60	SCCON	O	BOX interface slave control output	
61	MCREQ	O	BOX interface master request output	
62	HSYNC	I	OSD horizontal synchronization signal input	
63	NC	-	Open	
64	VSYNC	I	OSD vertical synchronization signal input	
65~73	NC	-	Open	
74	SIDE1	O	Video mode switching	SIDE1 : L, JUST : L, ZOOM : L → FULL SIDE1 : L, JUST : L, ZOOM : H → ZOOM SIDE1 : H, JUST : H, ZOOM : L → JUST SIDE1 : H, JUST : L, ZOOM : L → NORMAL
75	JUST	O		
76	ZOOM	O		
77	MIRROR	O	Mirror switching output	L : Reverse display
78	Y0	O	Touch panel input mode switching	X1 : L, X0 : L, Y0 : L → Input check X1 : H, X0 : L, Y0 : L → Wait X1 : L, X0 : H, Y0 : L → X-axis input X1 : H, X0 : L, Y0 : H → Y-axis input
79	X0	O		
80	X1	O		
81	POS SET	O	LCD display position setting output	H-fixed
82~84	VPOS3~VPOS1	O	LCD vertical display position setting output	VPOS3 : MSB, VPOS1 : LSB → 0~7
85~88	HPOS4~HPOS1	O	LCD horizontal display position setting output	HPOS4 : MSB, HPOS1 : LSB → 0~15
89~91	NC	-	Open	
92	YDATA	I	Touch panel Y-axis voltage input	Analog voltage input (0~3.3V)
93	XDATA	I	Touch panel X-axis voltage input	Analog voltage input (0~3.3V)
94	DIM SENS	I	Dimmer sensor input	Analog voltage input (0~3.3V)
95	VHOLD2	I	Not used	Pull-down to VSS
96	HLF2	I/O	Not used	Pull-down to VSS
97	CVIN2	I	Not used	Pull up to VCC
98	TVSETB	I	Not used	Connected to VSS
99	VCCE	I	Power supply input 2 (5V)	
100	CVIN1	I	Not used	Pull up to VCC

TEST MODE

1. How to enter the test mode

Reset the unit while pressing down on both PWR key and VOLUME UP key. Then, the beep sounds for 500ms.

2. How to release the test mode

Turn off backup power supply and press RESET key. Then, turn OFF ACC.

3. User setting at the time of test mode startup

Screen Mode	: Full
Video source	: Video1
Audio source (SP Mode)	: Normal
VOL setting	: 21
AV-OUT source	: Normal

RGB screen control setting

BRIGHT	: MAX (30)
TINT	: CENTER (0)
COLOR	: CENTER (0)
CONTRAST	: CENTER (0)
BLACK	: CENTER (0)
DIMMER	: Off MIN (-30)

Screen control setting for other than RGB

BRIGHT	: MAX (30)
TINT	: CENTER (0)
COLOR	: CENTER (0)
CONTRAST	: CENTER (0)
BLACK	: CENTER (0)
DIMMER	: On MIN (-30)

System setting

NAVI	: RGB
AV-IN1	: Video1
AV-IN2	: Auto
Name	: Video2
Mirror	: OFF (Not displayed)
Beep	: ON
FM-TX	: Off
FREQ	: 87.5MHz (Not displayed)
AV-IN1 LEVEL	: MAX (0dB) (Not displayed)
AV-IN2 LEVEL	: MAX (0dB) (Not displayed)

The default values of the TV tuner-related items are dependent on the Tuner Box specifications

4. How to adjust video-related items

This function adjusts the video-related matters and stores them in the E2PROM at the time of factory shipment. The adjustment values will not be changed unless that setting is conducted with this function or with the E2PROM clear function.

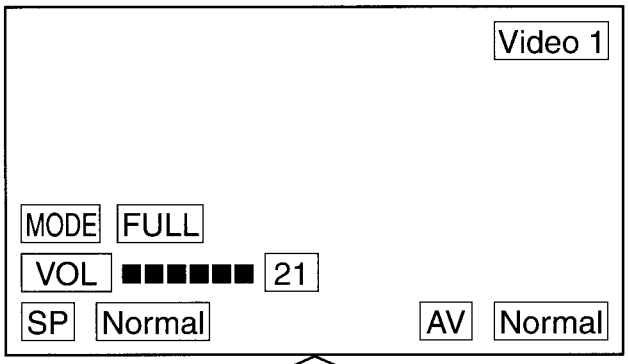
4-1 How to move to Adjustment Item Selection screen

During the test mode, transition to the Adjustment Item Selection screen can be achieved by long-pressing SCR key for 1 second or more in video screen. (Other than Screen Control, Angle Control, and Menu screens.) Or, move to the Adjustment Item Selection screen can be achieved by using the TV band switching key on the remote controller. It must also be noted that the video source after moving to the Adjustment Item Selection screen is AV-IN 1. The version numbers are indicated on the upper right corner off the Adjustment Item Selection screen. The item on the left is the version of the monitor and the item on the right is the version of the box.

TEST MODE

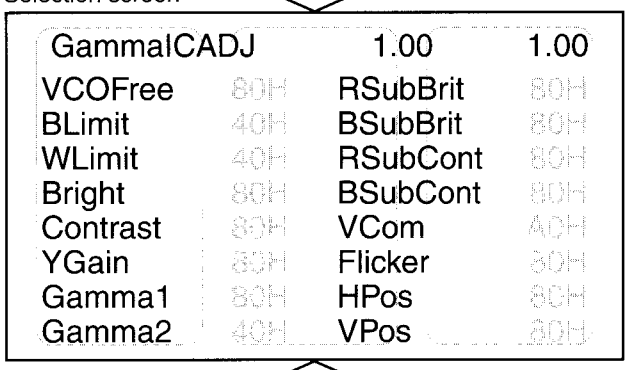
4-2 Transition of the conditions

Video screen



PWR key/TV bands switching key on the remote controller

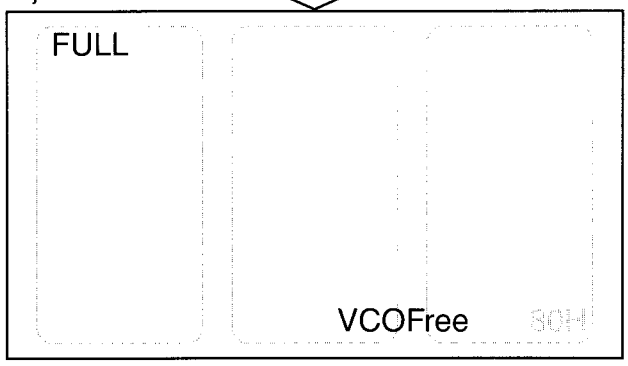
Adjustment Item Selection screen



Moving cursor "up" :
Press VOL UP key of panel or remote controller
Left section of the touch panel
Moving cursor "down" :
Press VOL DOWN key of panel or remote controller
Right section of the touch panel
Video source selection :
Press V.SEL key of panel or remote controller

SCR key/Seek mode key of the remote controller/Center section of the touch panel

Adjustment Screen



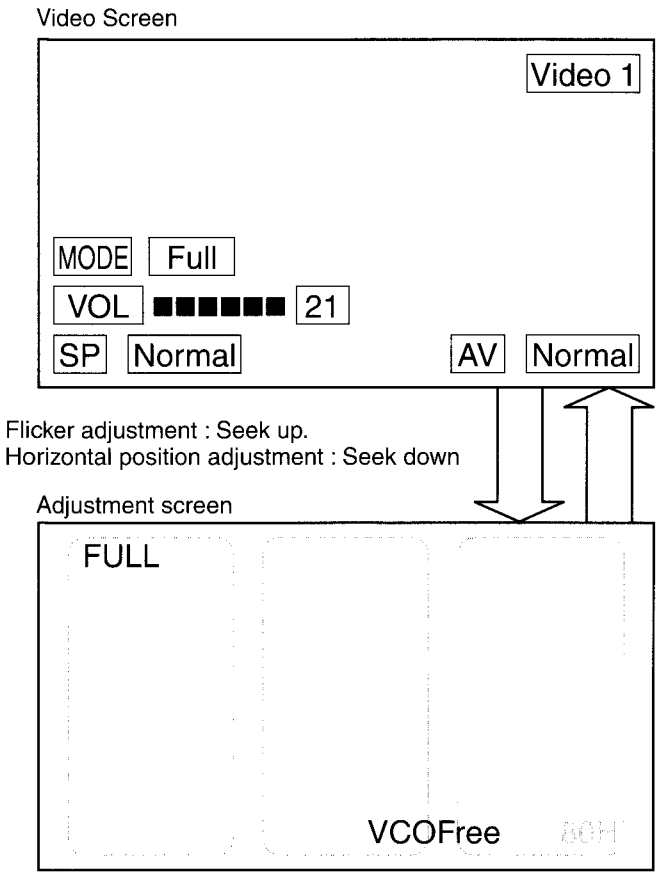
Numeric value up :
Press VOL UP key of panel or remote controller
Right section of the touch panel
Numeric value down :
Press VOL DOWN key of panel or remote controller
Left section of the touch panel
Stopping display/Displaying :
Press V.SEL key of panel or remote controller

* When returning from the screen (When pressing SCR key of panel/Seek Mode key of remote controller/Central section of the touch panel), E2PROM is written. Never turn power OFF while in this screen. When an error occurs when writing to E2PROM, the beep sounds 4 times and an error message is displayed. It is not possible to go out of the Adjustment screen, until a successful write is made.

TEST MODE

4-3 Flicker adjustment/Horizontal position adjustment direct transition

In order to conduct flicker adjustment and horizontal position adjustment in the main unit inspection process of factory, it is possible to make a transition directly from the video screen of the test mode using the Remote Controller key. Transition can be made while leaving the video source as is. In case of TV, this is not possible.



SCRN key of panel/Seek mode key of remote controller
Central section of the touch panel

The operations are the same as normal operation.

* When returning from the screen (When pressing SCR key of panel/Seek Mode key of remote controller/Central section of the touch panel), E2PROM is written. Never turn power OFF while in this screen. When an error occurs when writing to E2PROM, the beep sounds 4 times and an error message is displayed. It is not possible to go out of the Adjustment screen, until a successful write is made.

TEST MODE

4-4 Adjustment items

Item	Display	CH	Default Value
VCO free-run	VCOFree	CH16	80H
Black limiter	BLimit	CH5	7FH
White peak limiter	WLimit	CH10	7FH
Brightness	Bright	CH6	80H
Contrast	Contrast	CH13	80H
Brightness gain	YGain	CH2	80H
Gamma 1	Gamma1	CH11	80H
Gamma 2	Gamma2	CH12	40H
Rch Sub-brightness	RsubBrit	CH8	80H
Bch Sub-brightness	BsubBrit	CH9	80H
Rch Sub-contrast	RsubCont	CH14	80H
Bch Sub-contrast	BsubCont	CH15	80H
Common vibrational amplitude	Vcom	CH1	40H
Common DC (Flicker)	Flicker	CH23	86H
Horizontal position	Hpos	-	07H
Vertical position	Vpos	-	05H

5. Other Functions

5-1 Automatic ending of Menu: Not effective

In the Menu and Screen Control, the display is normally ended automatically after 10 seconds and the video screen in resumed. In the test mode, there is no automatic ending.

5-2 Immediate operation of auto-dimmer

The auto-dimmer operation is started 1 second after brightness changes. In the Test Mode, however, the dimmer immediately begins operation after brightness change.

5-3 Remote controller key for direct setting change

5-3-1 FM-TX ON/OFF direct switching

Using the Remote controller MODE key, it is possible to switch ON/OFF of FM-TX directly in the Video screen. The changes in the Wide Mode however cannot be made using the remote controller.

5-3-2 Direct switching of FM-TX level

The FM-TX levels can be switched in the following order using 1-key or 2-key of the ten-key : -12dB ⇒ -6dB ⇒ -0dB ⇒ -12dB. AV-IN1 levels can be switched with 1 on the ten-key and AV-IN2 levels can be switched with 2 on the ten-key.

5-3-3 Auto-dimmer ON/OFF direct switching

While displaying Video1/NAVI (AV-IN1), using MAIN/SUB keys of the Remote Controller, auto-dimmer On/Off can be directly switched.

5-3-4 Mirror direct switching

While displaying videos of the Video2/R-Cam, the mirror On/Off can be switch using the 3-key of the ten-key.

5-4 Initializing the setting

When entering the Test Mode, the user setting on the E2PROM is returned to the factory shipment setting. (Examples of the user settings are ; Power ON/OFF, source, volume, and screen control setting, system setting, etc.) No matter what is operated on during the Test Mode, nothing is recorded on the E2PROM excepting Touch Panel adjustments. Therefore, the factory shipment setting can be achieved by entering the Test Mode and by turning the power OFF.

6. Note

6-1 Returning the unit to factory shipment setting prior to shipping.

In this Unit, users do not lose their setting values even after attaching/detaching the monitor ; These user settings include the following: power supply ON/OFF, source, volume, and screen control setting, and system setting, etc., which are store on the E2PROM. The factory shipment settings cannot be achieved, as with the regular modes, by turning off backup power supply and by resetting the unit. When operating on the settings prior to shipping (including the shipping inspection) and servicing, it is always necessary to return the user settings on the units to factory shipment setting.

The following are how to return the user settings to factory shipment setting. The instruction manual includes (1) and (2) below.

(1) Enter the Setup Menu screen by pressing the FUNC key for 1 second or longer.

(2) When V.SEL key is pressed for 1 second or longer, message for completion is displayed.

(3) In this condition, turn OFF the backup power supply.

* Do not turn OFF Power key. This will record what was set then. The backup power supply must be turned OFF.

As has already been stated above, the factory setting is automatically set on the user setting, when the Test Mode is entered. Remember that, in the Test Mode, operating on the user setting does not affect. The changed user setting will not be stored, which make the above 3 procedures unnecessary.

ADJUSTMENT

● About the test mode (Refer to the TEST MODE on the previous pages for details.)

Enter the Test Mode.
Then, move to the Video Adjustment Mode. (Press the PWR key.)
When finished with video adjustment, return to the Test Mode. (Press the PWR key.)
In order to move out of the Test Mode, press Reset key. Or, attach/detach panel.

● X35

Before conducting Video Adjustment, (3~14 below), E2PROM clear must always be conducted. (0 below) by doing this, E2PROM can be returned to the appropriate prior values.

No.	Adjustment Item	Input Signal		Measurement Point TP Number and Point	Adjustment Value	Measurement Device	Remarks/Description
0	E2PROM Clear						In the Test Mode, ■ SCRN → MODE → ■ V.SEL
1	TC PLL Adjustment	NTSC		Adjustment on TP311 and VR301	2.3±0.1V DC	Multimeter	
2	VCO Adjustment	-	-	-			Adjustment not necessary. Default values will do.
3	Black Limit Adjustment (Note 1)	NTSC	10 steps	TP304 Forward rotation -side pedestal electric potential	600±50mV DC	Oscilloscope	
4	White Limit Adjustment (Note 2)	-	-	-			Adjustment not necessary. Default values will do.
5	Bright Adjustment	NTSC	10 steps	TP304 Forward 1~Reverse 1	3.1±0.1Vp-p	Oscilloscope	
6	Contrast Adjustment	NTSC	10 steps	TP304 Forward 7~Reverse 7	2.3±0.1Vp-p	Oscilloscope	
7	Y Gain Adjustment	NTSC	10 steps	TP304 Forward pedestal~Forward 8	3.0±0.1Vp-p	Oscilloscope	
8	Gamma1	NTSC	10 steps	TP304 Forward pedestal~Forward 3	1.15±0.1Vp-p	Oscilloscope	
9	Gamma2	NTSC	10 steps	TP304 Forward pedestal~Forward 10	3.0±0.1Vp-p	Oscilloscope	
10	R Sub Bright	NTSC	10 steps	TP303 Forward 1~Reverse 1	(G Forward 1~Reverse 1) ±0.1Vp-p	Oscilloscope	Forward 1~Reverse 1 electric potential difference of G Forward 1~Reverse 1=TP304 (G-signal)
11	B Sub Bright	NTSC	10 steps	TP305 Forward 1~Reverse 1	(G Forward 1~Reverse 1) ±0.1Vp-p	Oscilloscope	Forward 1~Reverse 1 electric potential difference of G Forward 1~Reverse 1=TP304 (G-signal)
12	R Sub Contrast	NTSC	10 steps	TP303 Forward Pedestal~Forward 10	(G Forward Pedestal~ Forward 10) ±0.1Vp-p	Oscilloscope	Forward Pedestal~Forward 10 electrical potential differences of Forward Pedestal~Forward 10=TP304 (G-signal)
13	B Sub Contrast	NTSC	10 steps	TP305 Forward Pedestal~Forward 10	(G Pedestal -10) +0.05±0.1Vp-p	Oscilloscope	Forward Pedestal~Forward 10 electrical potential differences of Forward Pedestal~Forward 10=TP304 (G-signal)
14	VCOM	NTSC	-	TP314 Rectangular wave oscillation	5.6±0.2Vp-p	Oscilloscope	

* "Forward" Forward Rotation-side "Reverse" means Reverse Rotation-side. The numbers indicate the step number.

Note 1 : At the time of the Black Limit Adjustment, the BRT value is set to "HEX=00" with the software.

Note 2 : At the time of the White Limit Adjustment, the CONT value is set to "HEX=FF" with the software.

ADJUSTMENT

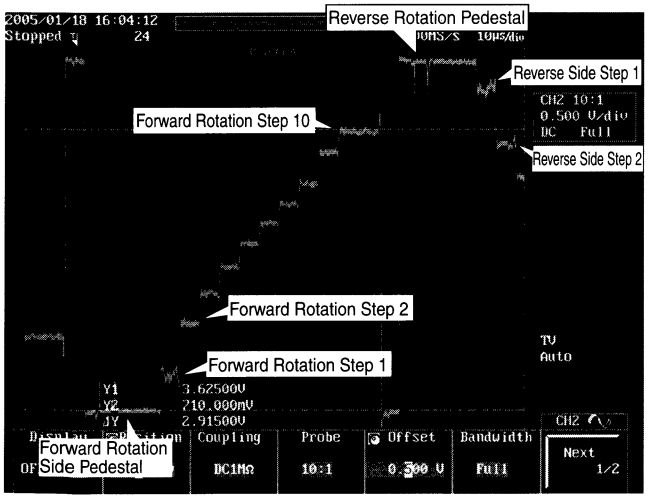
● UNIT

From the Test Mode, enter the Video Adjustment Mode and conduct the following.

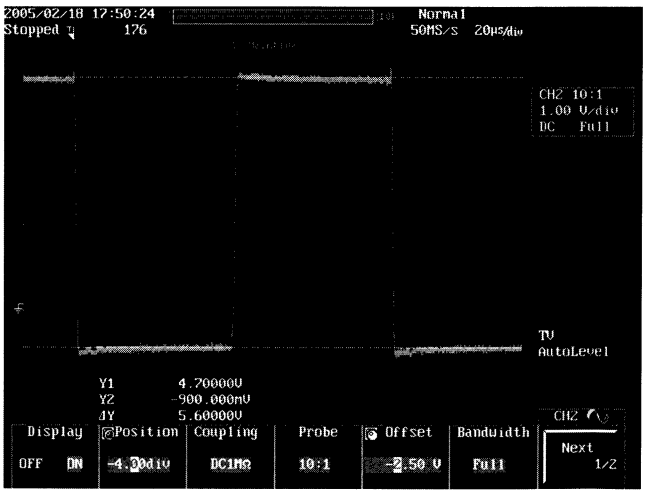
No.	Adjustment Item	Input Signal		Measurement Point	Adjustment Value	Measurement Device	Remarks/Description
				TP Number and Point			
1	Flicker Adjustment	NTSC	White 50%	Minimum value of the fluctuation of LCD display	Minimum value of the fluctuation after opto-electric conversion	Oscilloscope	Jigs are used.
2	Touch Panel Position Adjustment			Lower left and upper right corners of screen	Inside the icon ○	-	
3	Screen Horizontal Adjustment			NAVI MENU screen	Uniform right and left side of icon		KNA-DV3100 for European NAVI is used
4	Factory Shipping Mode Setting				Factory shipment setting must be maintained in a secure manner.		Refer to TEST MODE on page 13.

● Video Signal Definition of 10-step waveform

As an example, TP304 (G-output waveform) is used.
Forward/Reverse rotations and Steps 1, 2, ...10 will be as the figure below.



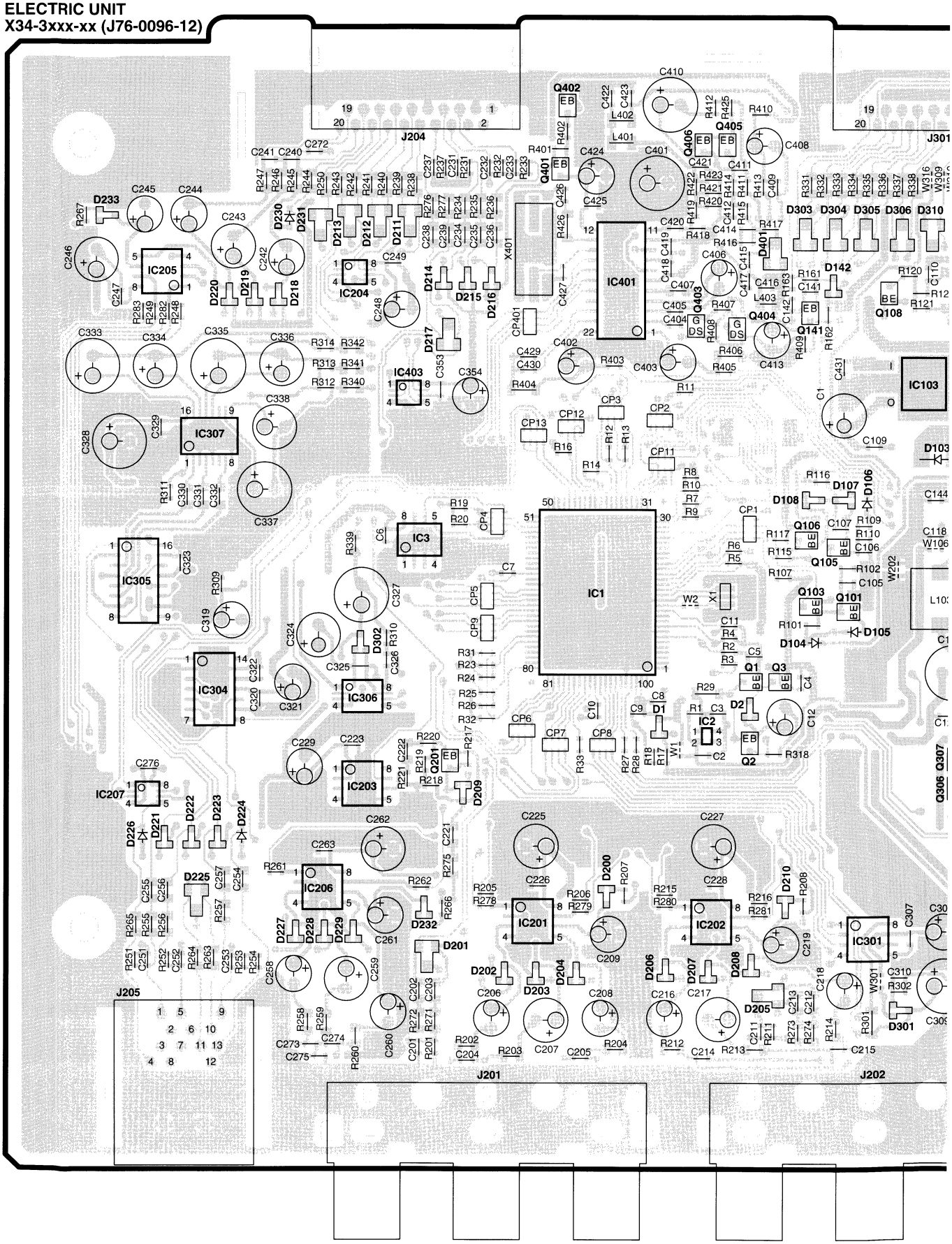
● VCOM waveform

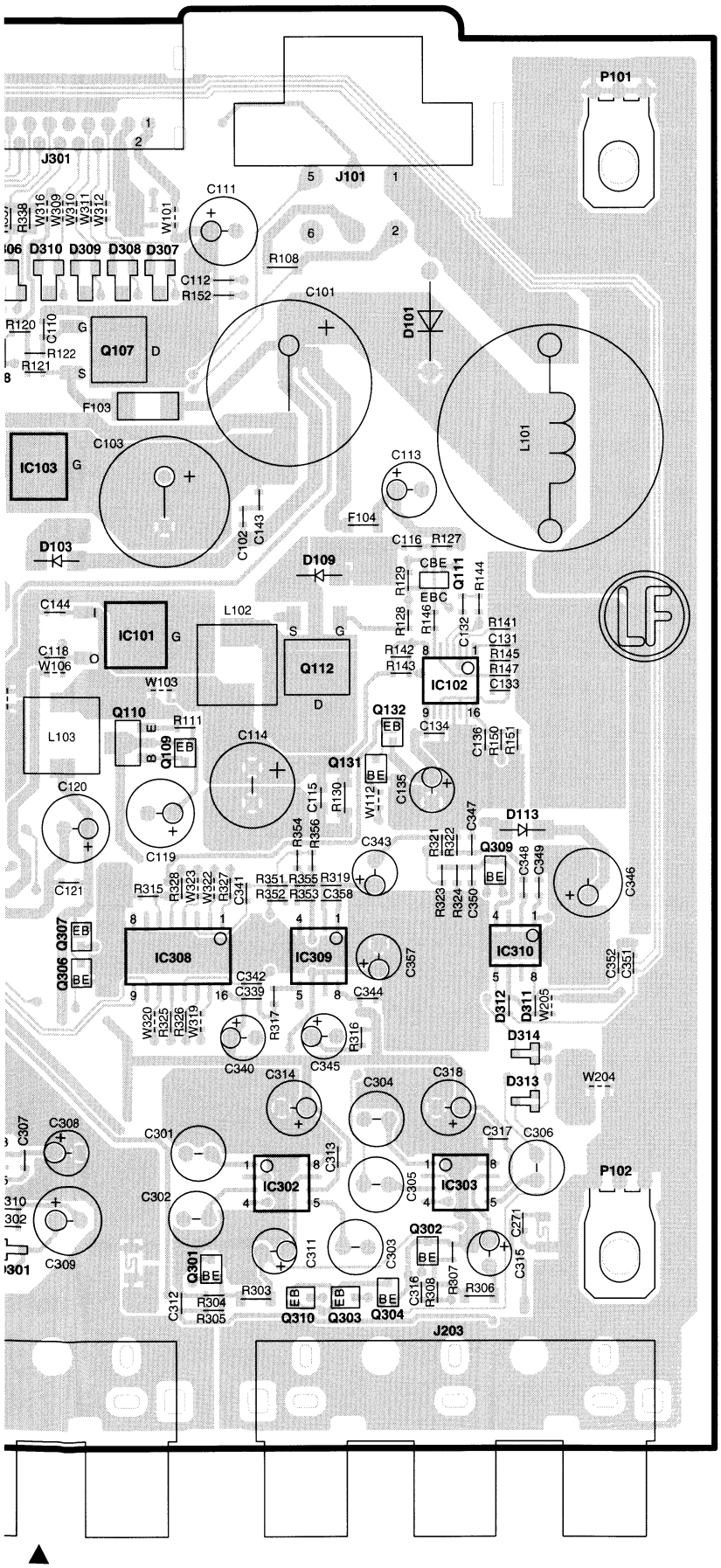


LZ-760R

PC BOARD (COMPONENT SIDE VIEW)

ELECTRIC UNIT
X34-3xxx-xx (J76-0096-12)





X34-3xxx-xx

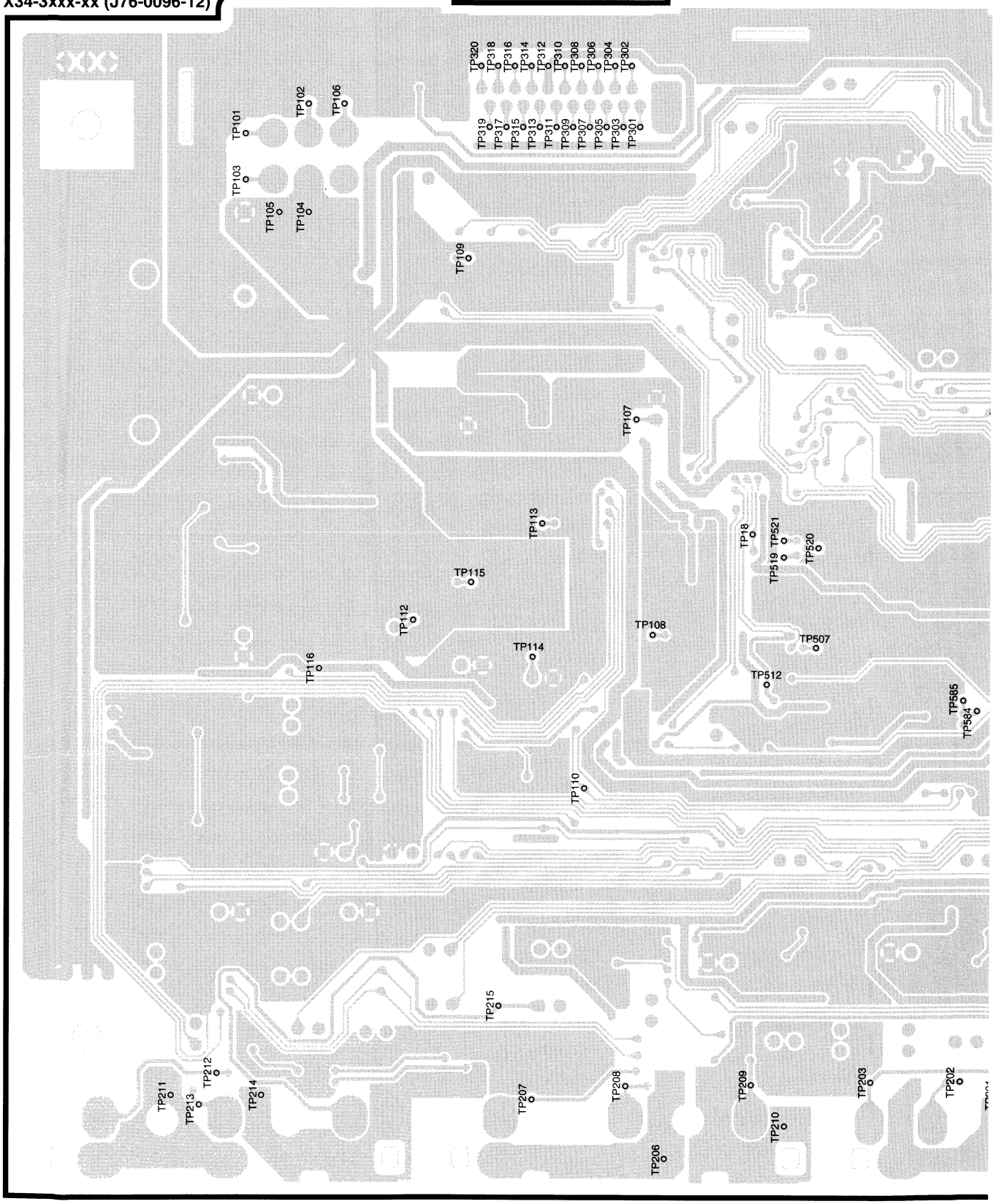
Ref. No.	Address	Ref. No.	Address
IC1	4D	Q101	4E
IC2	5D	Q103	4E
IC3	4C	Q105	4E
IC101	4F	Q106	4E
IC102	4G	Q107	3F
IC103	3E	Q108	3E
IC201	6C	Q109	4F
IC202	6D	Q110	4F
IC203	5C	Q111	4G
IC204	3C	Q112	4G
IC205	3B	Q131	4G
IC206	5B	Q132	4G
IC207	5A	Q141	3E
IC301	6E	Q201	5C
IC302	6G	Q301	6F
IC303	6G	Q302	6G
IC304	5B	Q303	6G
IC305	4B	Q304	6G
IC306	5C	Q306	5F
IC307	3B	Q307	5F
IC308	5F	Q309	5G
IC309	5G	Q310	6G
IC310	5G	Q401	2D
IC401	3D	Q402	2D
IC403	3C	Q403	3D
Q1	4E	Q404	3E
Q2	5E	Q405	2D
Q3	4E	Q406	2D

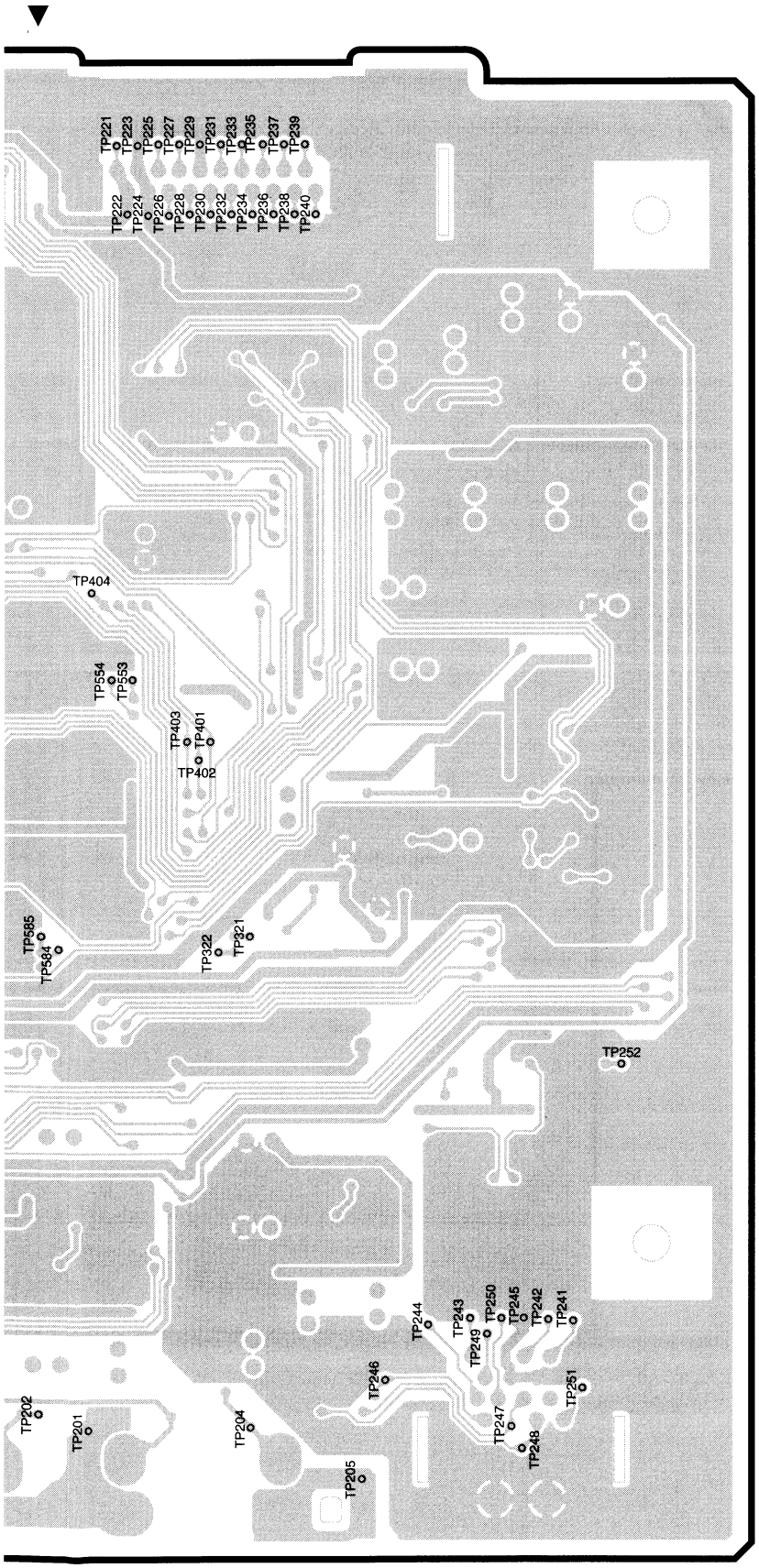
Refer to the schematic diagram for the values of resistors and capacitors.

LZ-760R

PC BOARD (FOIL SIDE VIEW)

ELECTRIC UNIT
X34-3xxx-xx (J76-0096-12)



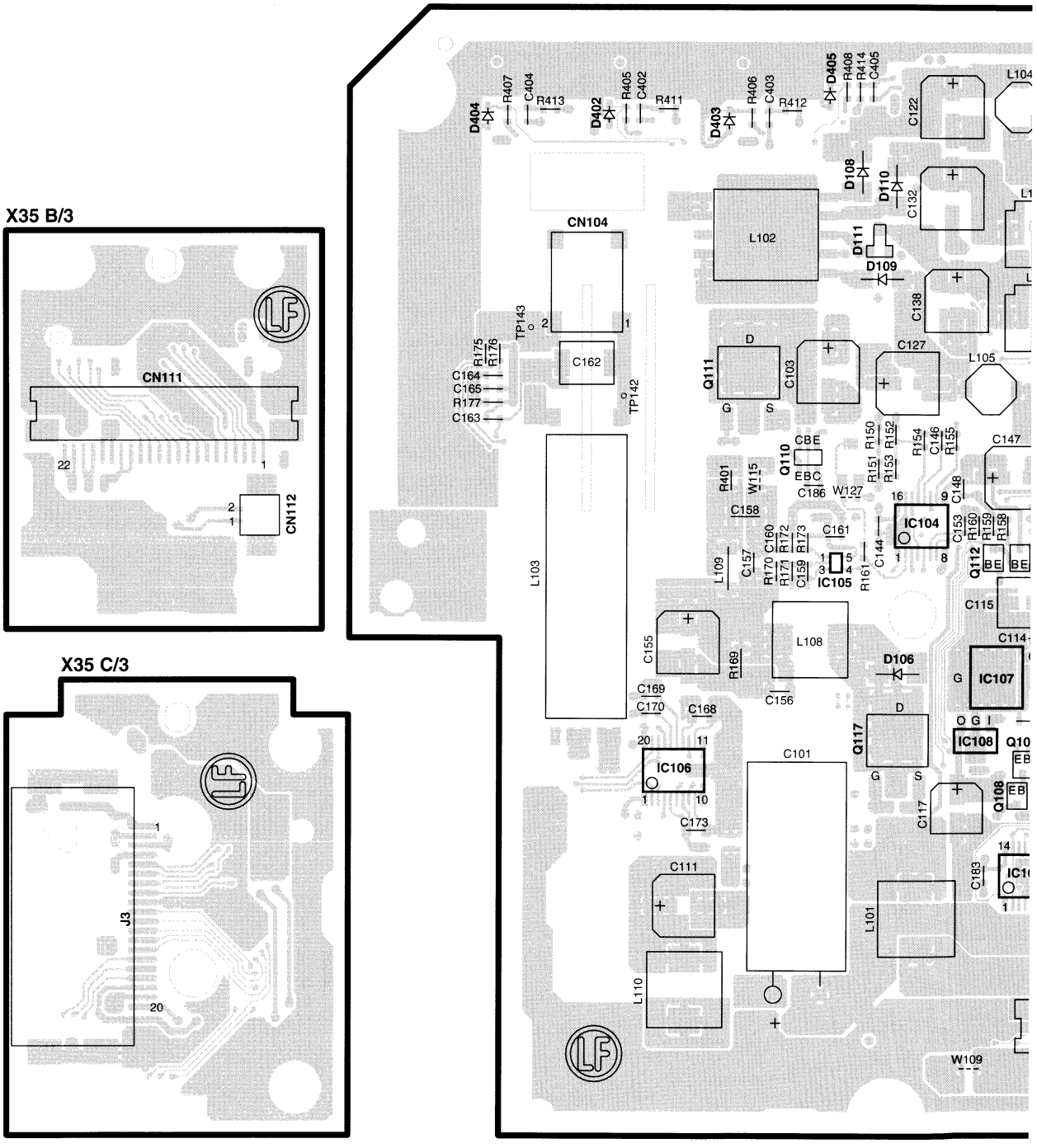


Refer to the schematic diagram for the values of resistors and capacitors.

LZ-760R

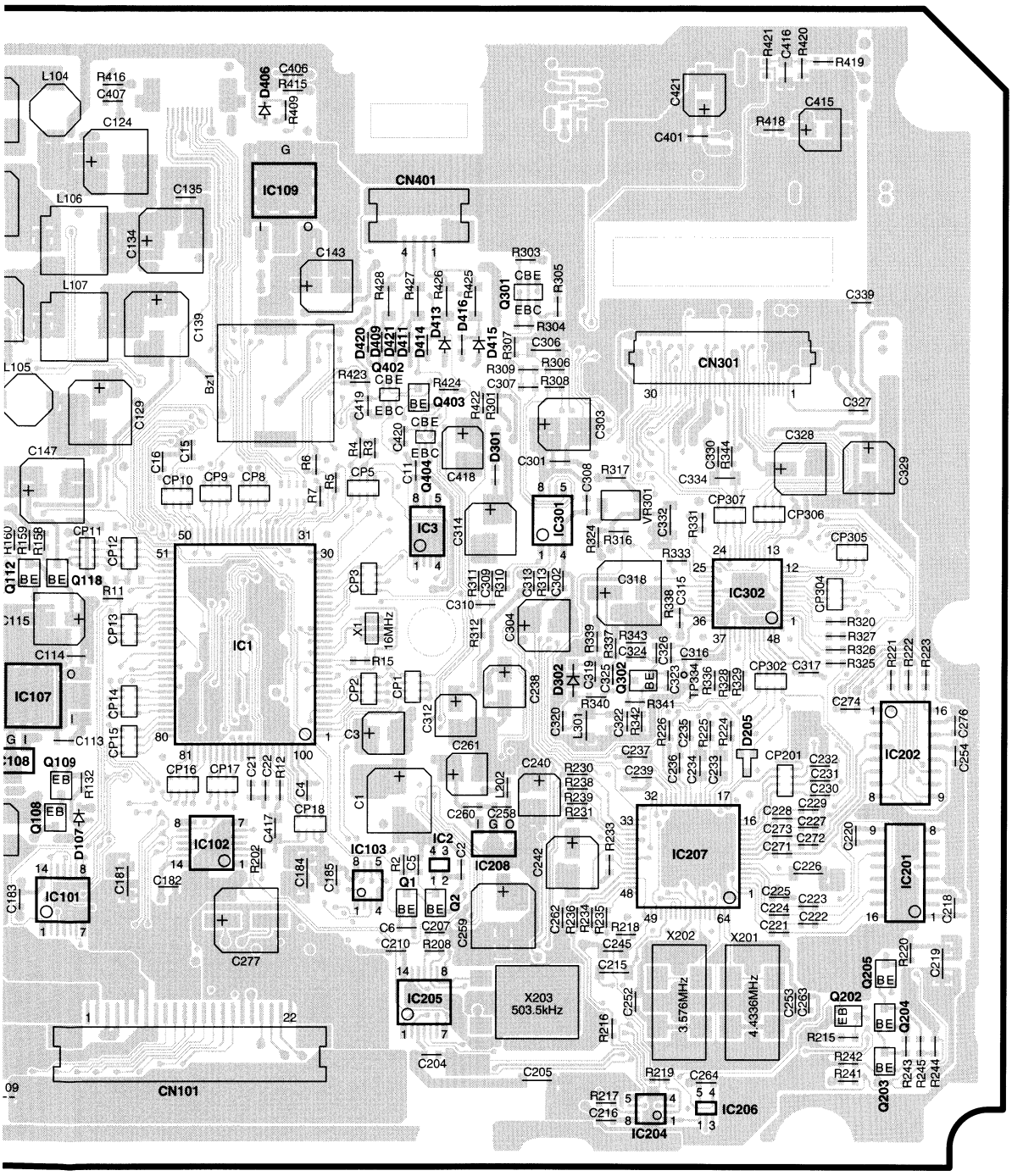
PC BOARD (COMPONENT SIDE VIEW)

VIDEO UNIT
X35-4xxx-xx A/3 (J76-0097-12)



Refer to the schematic diagram for the values of resistors and capacitors.

▼



▲

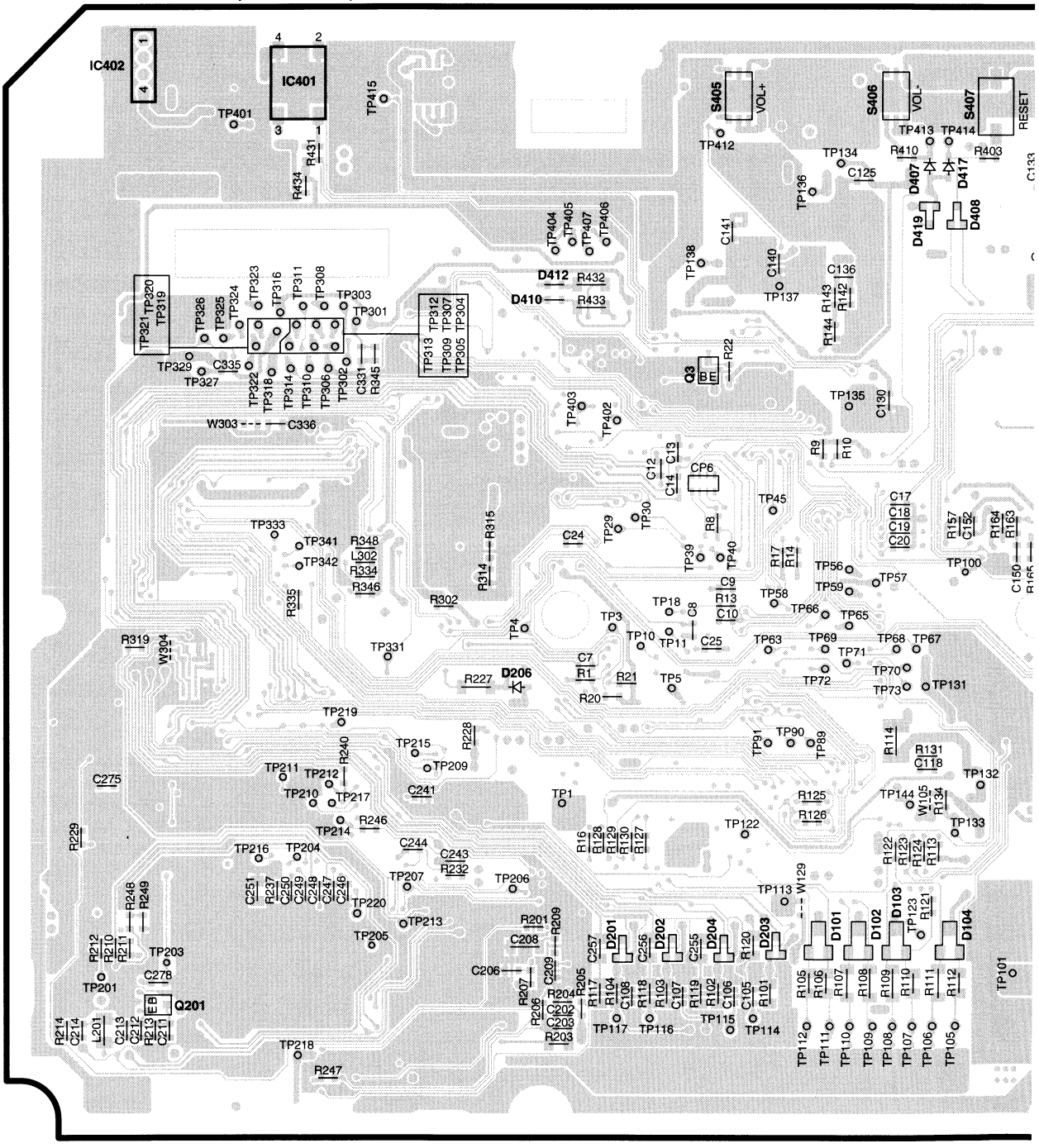
X35-4xxx-xx A/3

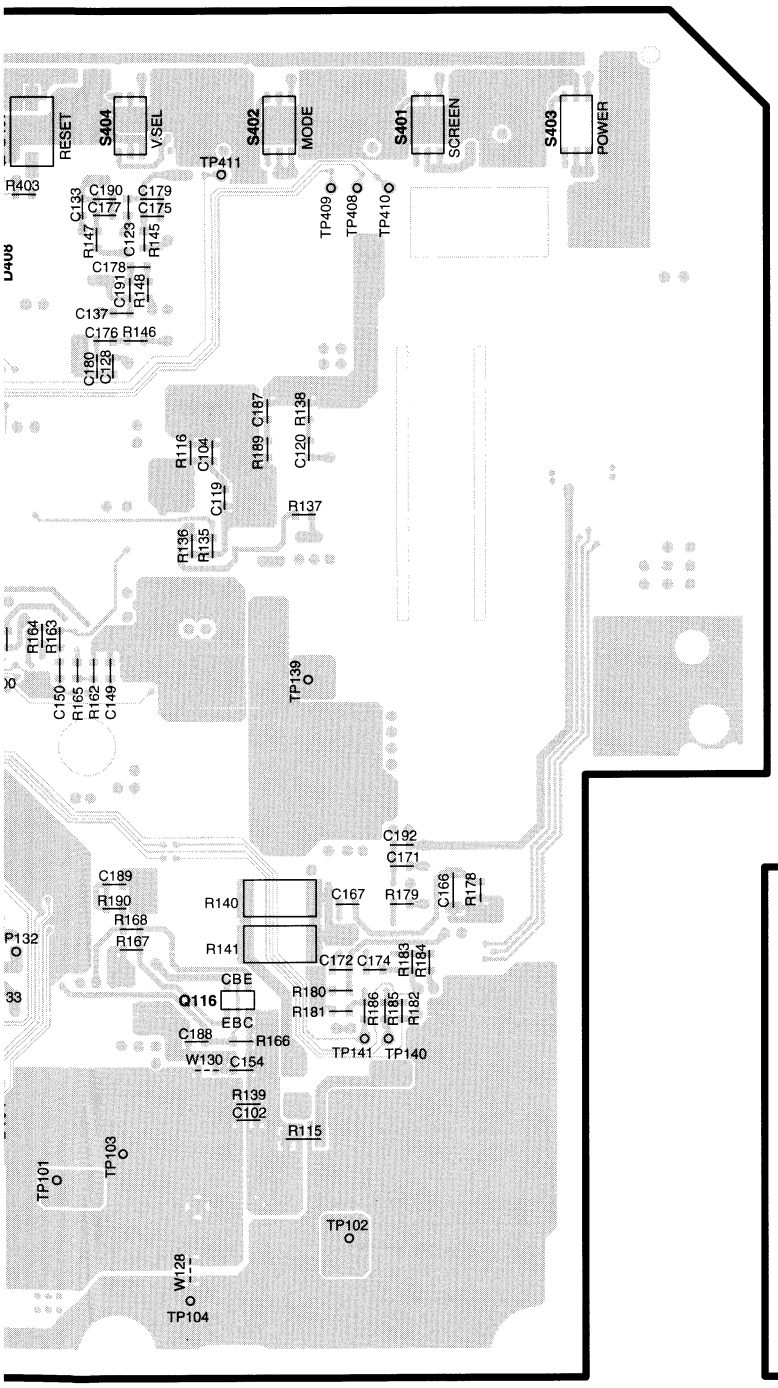
Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	4Z	IC108	4Y	IC302	4AB	Q202	5AC
IC2	5AA	IC109	2AA	Q1	5AA	Q203	6AC
IC3	3AA	IC201	5AC	Q2	5AA	Q204	5AC
IC101	5Z	IC202	4AC	Q108	5Y	Q205	5AC
IC102	5Z	IC204	6AB	Q109	4Z	Q301	3AB
IC103	5AA	IC205	5AA	Q110	3X	Q302	4AB
IC104	4Y	IC206	6AB	Q111	3X	Q402	3AA
IC105	4Y	IC207	5AB	Q112	4Y	Q403	3AA
IC106	5X	IC208	5AA	Q117	4Y	Q404	3AA
IC107	4Y	IC301	3AB	Q118	4Z		

LZ-760R

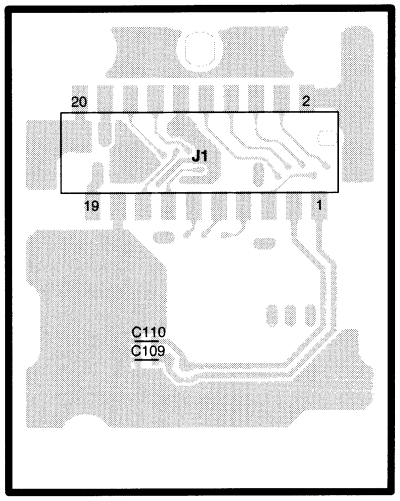
PC BOARD (FOIL SIDE VIEW)

VIDEO UNIT
X35-4xxx-xx A/3 (J76-0097-12)

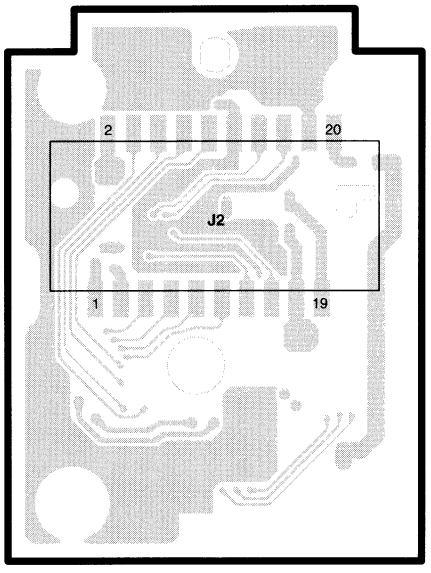




X35 B/3



X35 C/3

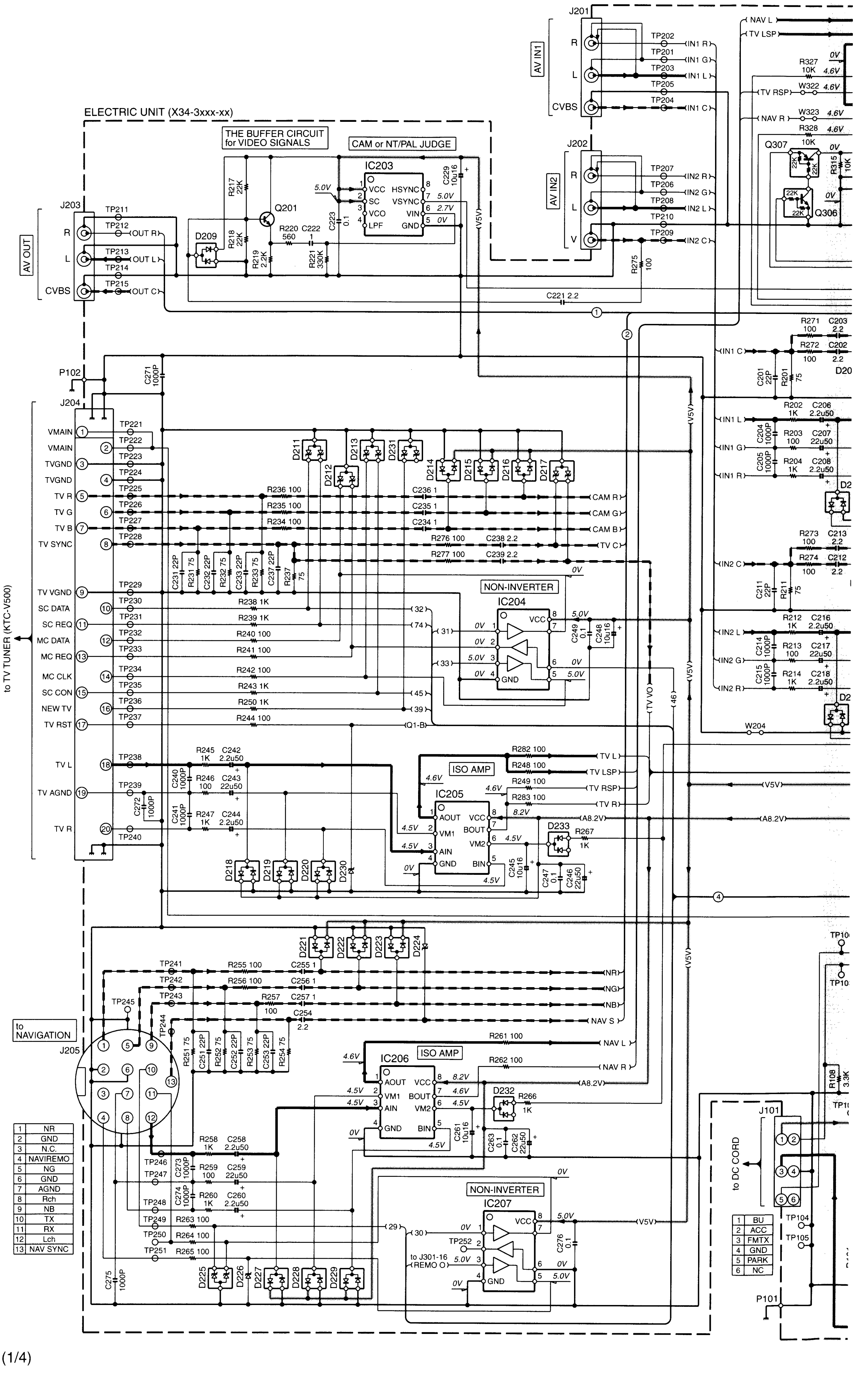


X35-4xxx-xx A/3

Ref. No.	Address
IC401	2AF
IC402	2AF
Q3	3AH
Q116	5AJ
Q201	5AF

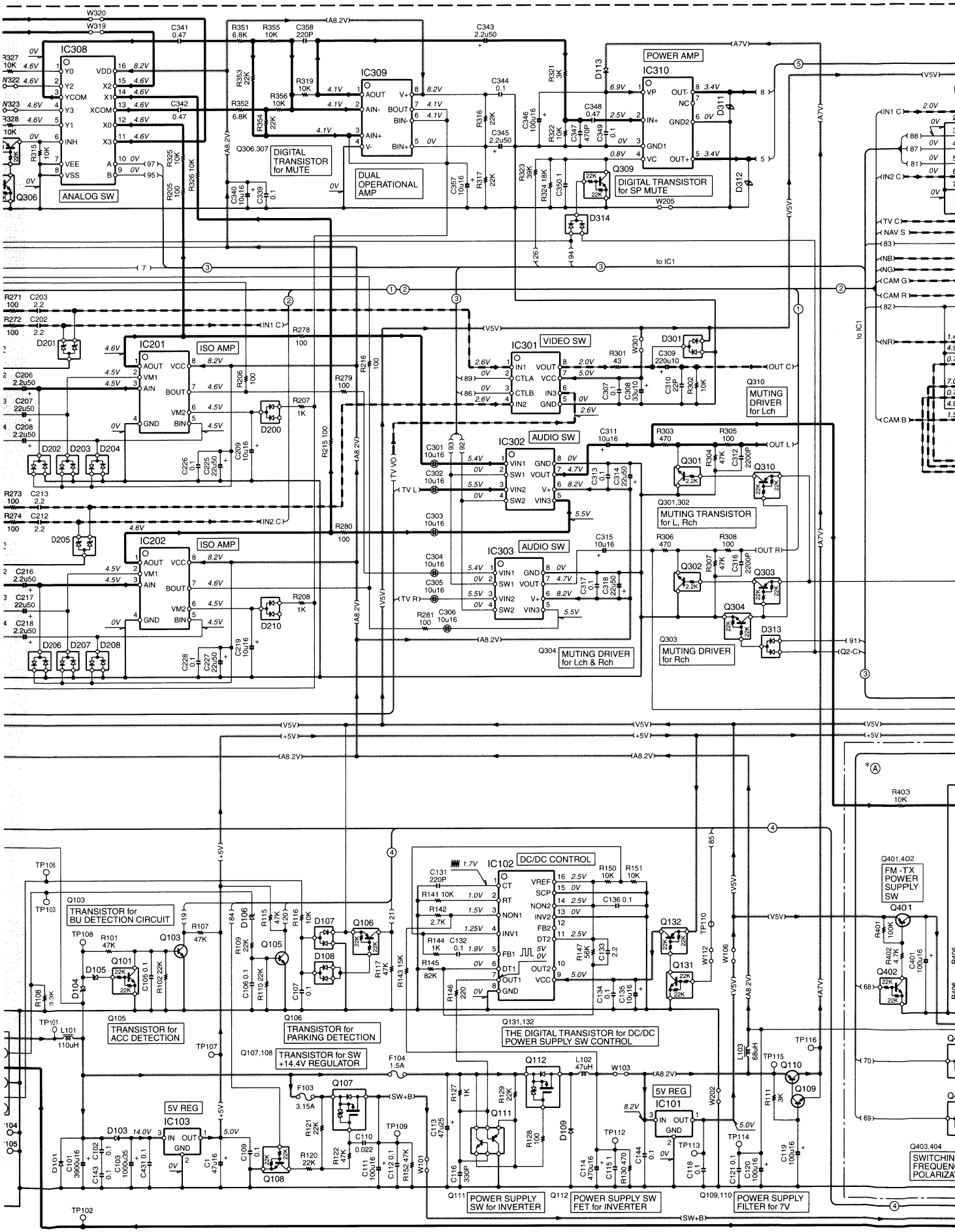
Refer to the schematic diagram for the values of resistors and capacitors.

LZ-760R

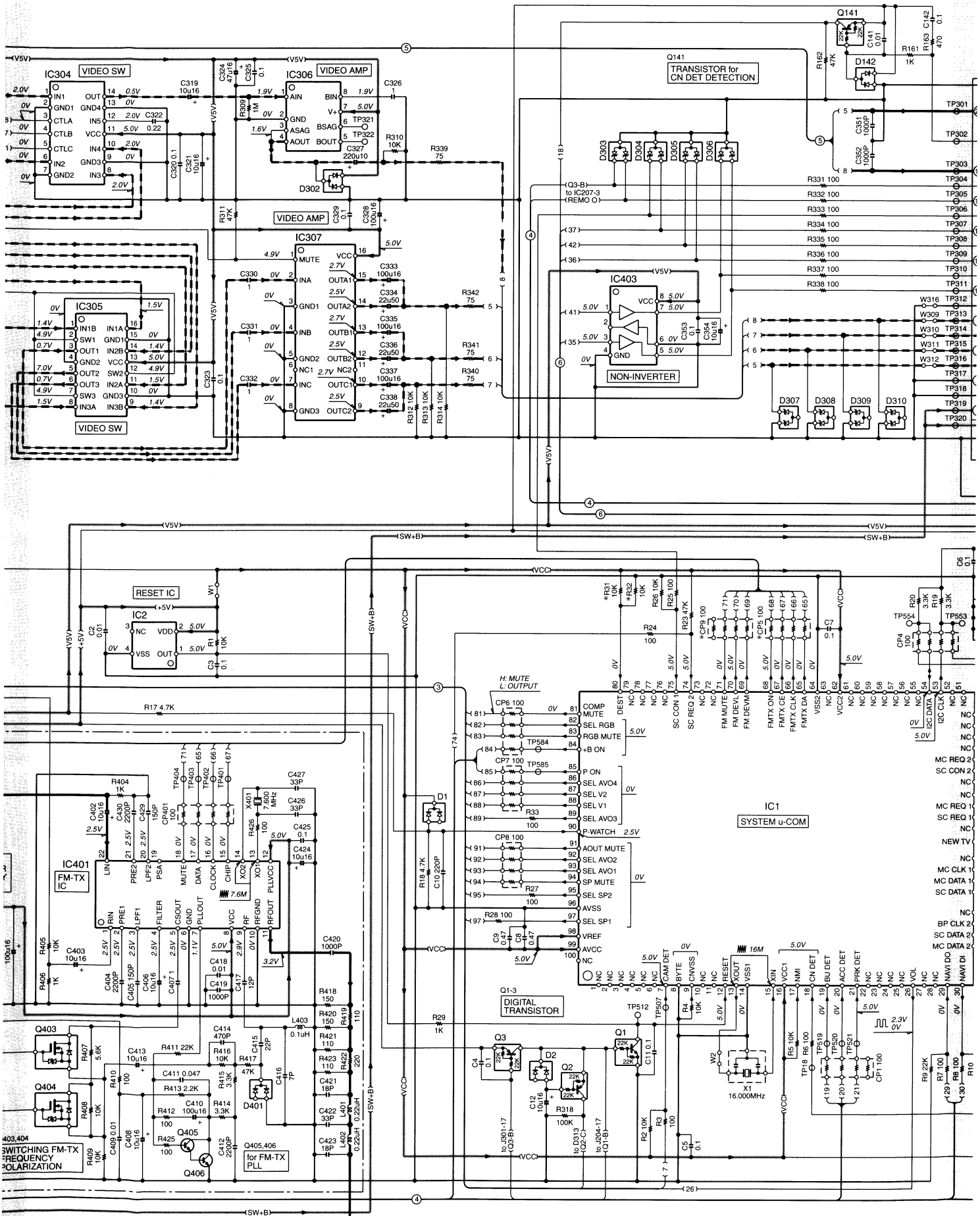

ELECTRIC UNIT (X34-3xxx-xx)
THE BUFFER CIRCUIT for VIDEO SIGNALS
CAM or NT/PAL JUDGE
IC203
AV OUT
J203
AV IN1
J201
AV IN2
J202
P102
J204
to TV TUNER (KTC-V500)
VMAIN
TVGND
TV R
TV G
TV B
TV SYNC
TV VGND
SC DATA
SC REQ
MC DATA
MC REQ
MC CLK
SC CON
NEW TV
TV RST
TV L
TV AGND
NON-INVERTER
IC204
ISO AMP
IC205
to NAVIGATION
J205
IC206
IC207
to J301-16 (REMO O)
to DC CORD
J101
P101

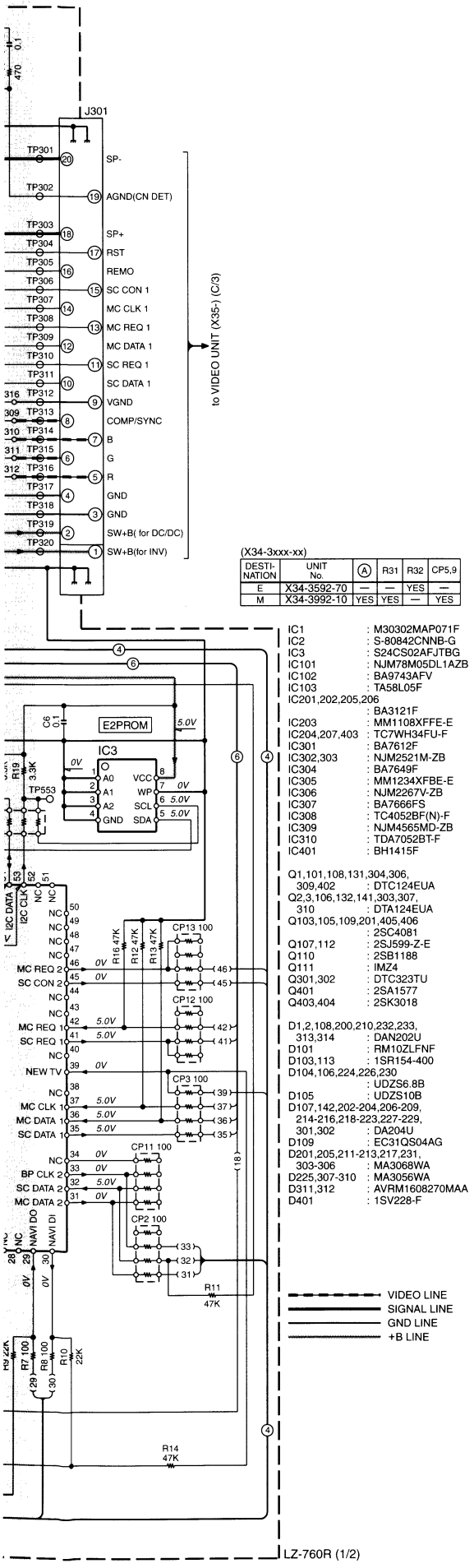
1	NR
2	GND
3	N.C.
4	NAVIREMO
5	NG
6	GND
7	AGND
8	Rch
9	NB
10	TX
11	RX
12	Lch
13	NAV SYNC

1	BU
2	ACC
3	FMTX
4	GND
5	PARK
6	NC


IC308
ANALOG SW
Q306
IC309
DUAL OPERATIONAL AMP
Q306.307
DIGITAL TRANSISTOR for MUTE
IC310
POWER AMP
Q309
DIGITAL TRANSISTOR for SP MUTE
D314
to IC1
IC201
ISO AMP
IC202
ISO AMP
IC301
VIDEO SW
IC302
AUDIO SW
IC303
AUDIO SW
Q310
MUTING DRIVER for Lch
Q301,302
MUTING TRANSISTOR for L, Rch
Q303
MUTING DRIVER for Rch
Q304
MUTING DRIVER for Lch & Rch
IC102
DC/DC CONTROL
Q103
TRANSISTOR for BU DETECTION CIRCUIT
Q105
TRANSISTOR for ACC DETECTION
Q106
TRANSISTOR for PARKING DETECTION
Q107,108
TRANSISTOR for SW +14.4V REGULATOR
Q131,132
THE DIGITAL TRANSISTOR for DC/DC POWER SUPPLY SW CONTROL
IC103
5V REG
IC101
5V REG
Q401,402
FM-TX POWER SUPPLY SW
Q403,404
SWITCHING FREQUENCY POLARIZATION
Q111
POWER SUPPLY SW for INVERTER
Q112
POWER SUPPLY SW FET for INVERTER
Q109,110
POWER SUPPLY FILTER for 7V

LZ-760R


IC304 VIDEO SW
IC306 VIDEO AMP
IC307
IC305
IC403
Q141
TRANSISTOR for CN DET DETECTION
NON-INVERTER
RESET IC
IC2
IC401 FM-TX IC
IC1
SYSTEM u-COM
Q1-3
DIGITAL TRANSISTOR
H: MUTE
L: OUTPUT
for FM-TX PLL
SWITCHING FM-TX FREQUENCY POLARIZATION



(X34-3xxx-xx)

DESTINATION	UNIT No.	Ⓐ	R31	R32	CP5,9
E	X34-3592-70	—	—	YES	—
M	X34-3992-10	YES	YES	—	YES

IC1 : M30302MAP071F
IC2 : S-80842CNNB-G
IC3 : S24CS02AFJTBG
IC101 : NJM78M05DL1AZB
IC102 : BA9743AFV
IC103 : TA58L05F
IC201,202,205,206 : BA3121F
IC203 : MM1108XFFE-E
IC204,207,403 : TC7WH34FU-F
IC301 : BA7612F
IC302,303 : NJM2521M-ZB
IC304 : BA7649F
IC305 : MM1234XFBE-E
IC306 : NJM2267V-ZB
IC307 : BA7666FS
IC308 : TC4052BF(N)-F
IC309 : NJM4565MD-ZB
IC310 : TDA7052BT-F
IC401 : BH1415F

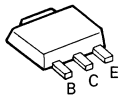
Q1,101,108,131,304,306, 309,402 : DTC124EUA
Q2,3,106,132,141,303,307, 310 : DTA124EUA
Q103,105,109,201,405,406 : 2SC4081
Q107,112 : 2SJ599-Z-E
Q110 : 2SB1188
Q111 : IMZ4
Q301,302 : DTC323TU
Q401 : 2SA1577
Q403,404 : 2SK3018

D1,2,108,200,210,232,233, 313,314 : DAN202U
D101 : RM10ZLFNF
D103,113 : 1SR154-400
D104,106,224,226,230 : UDZS6.8B
D105 : UDZS10B
D107,142,202-204,206-209, 214-216,218-223,227-229, 301,302 : DA204U
D109 : EC31QS04AG
D201,205,211-213,217,231, 303-306 : MA3068WA
D225,307-310 : MA3056WA
D311,312 : AVRM1608270MAA
D401 : 1SV228-F

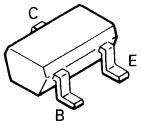
VIDEO LINE
SIGNAL LINE
GND LINE
+B LINE

2SA1576A

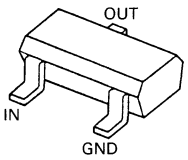
2SB1188



DTC323TU
2SC4081



DTA124EUA
DTC124EUA



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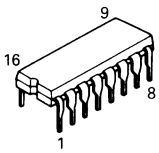
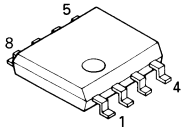
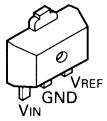


NJM4565MD-ZB



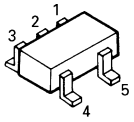
DAN202U

TA78L05F-F

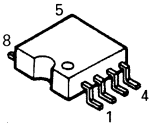


DA204U

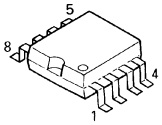
TC7SH08FU-F



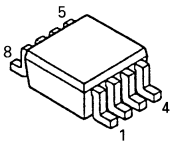
BA3121F



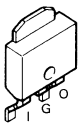
BA7612F



TC7WH34FU-F



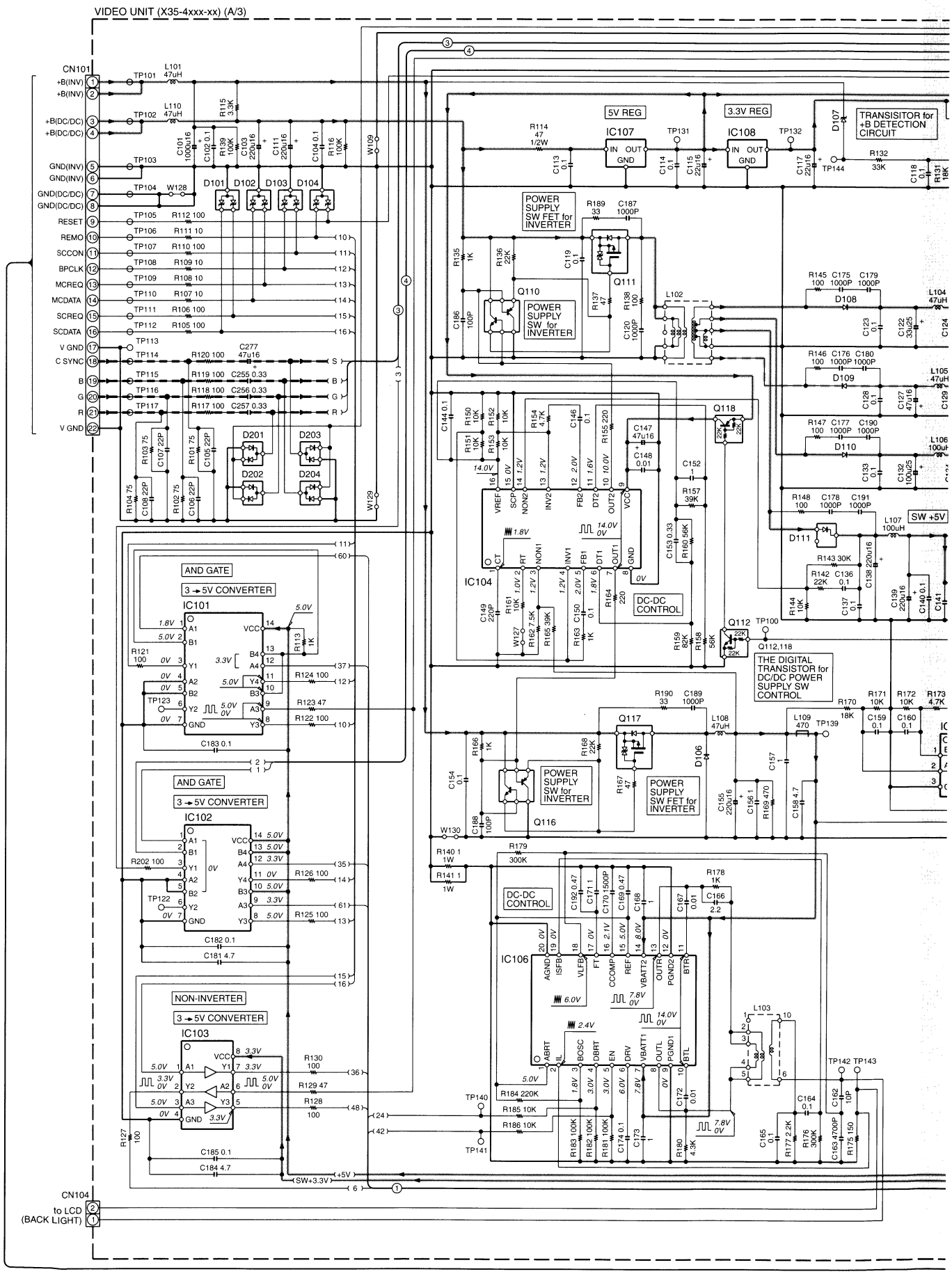
TA48M033F-F



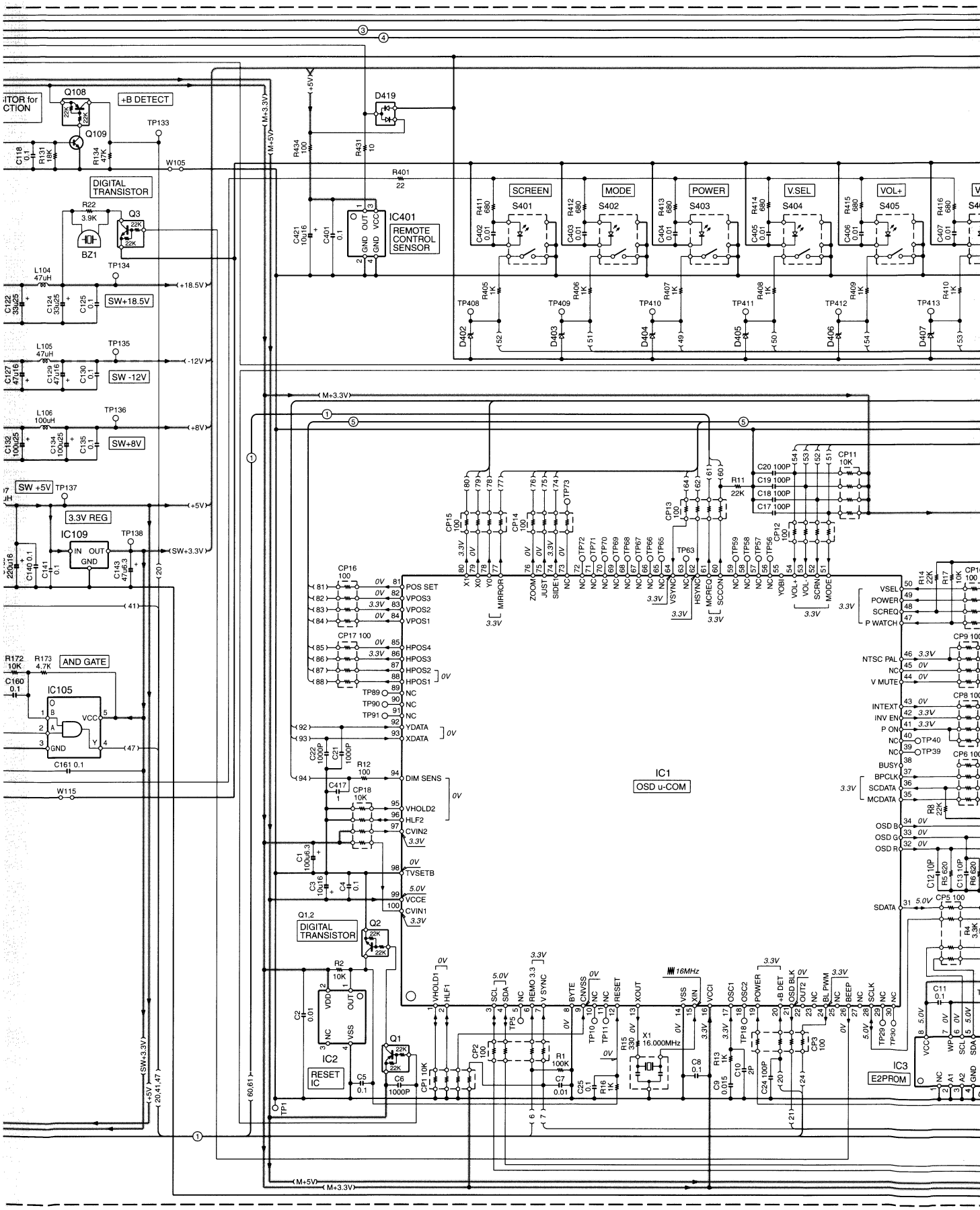
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

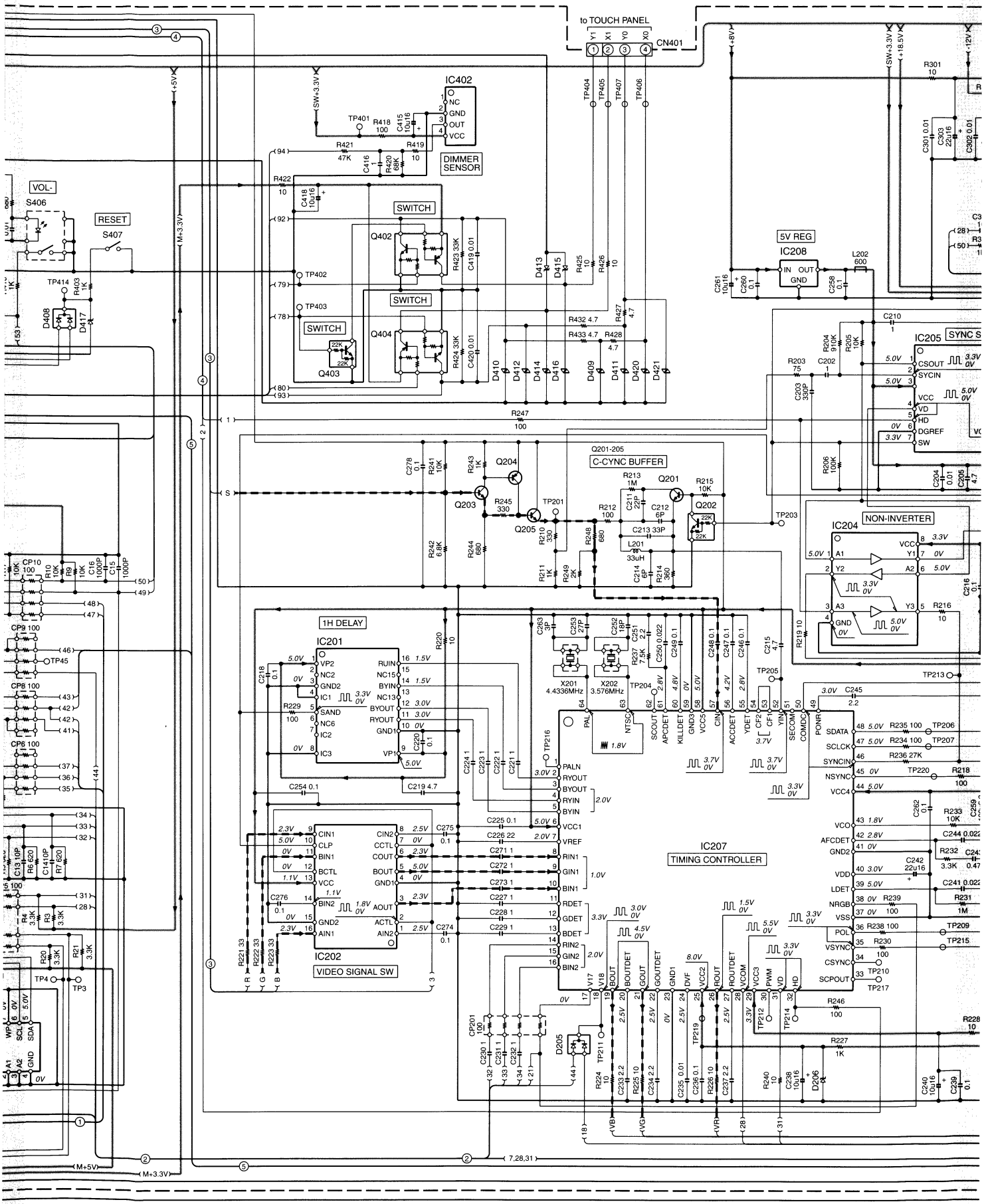
LZ-760R

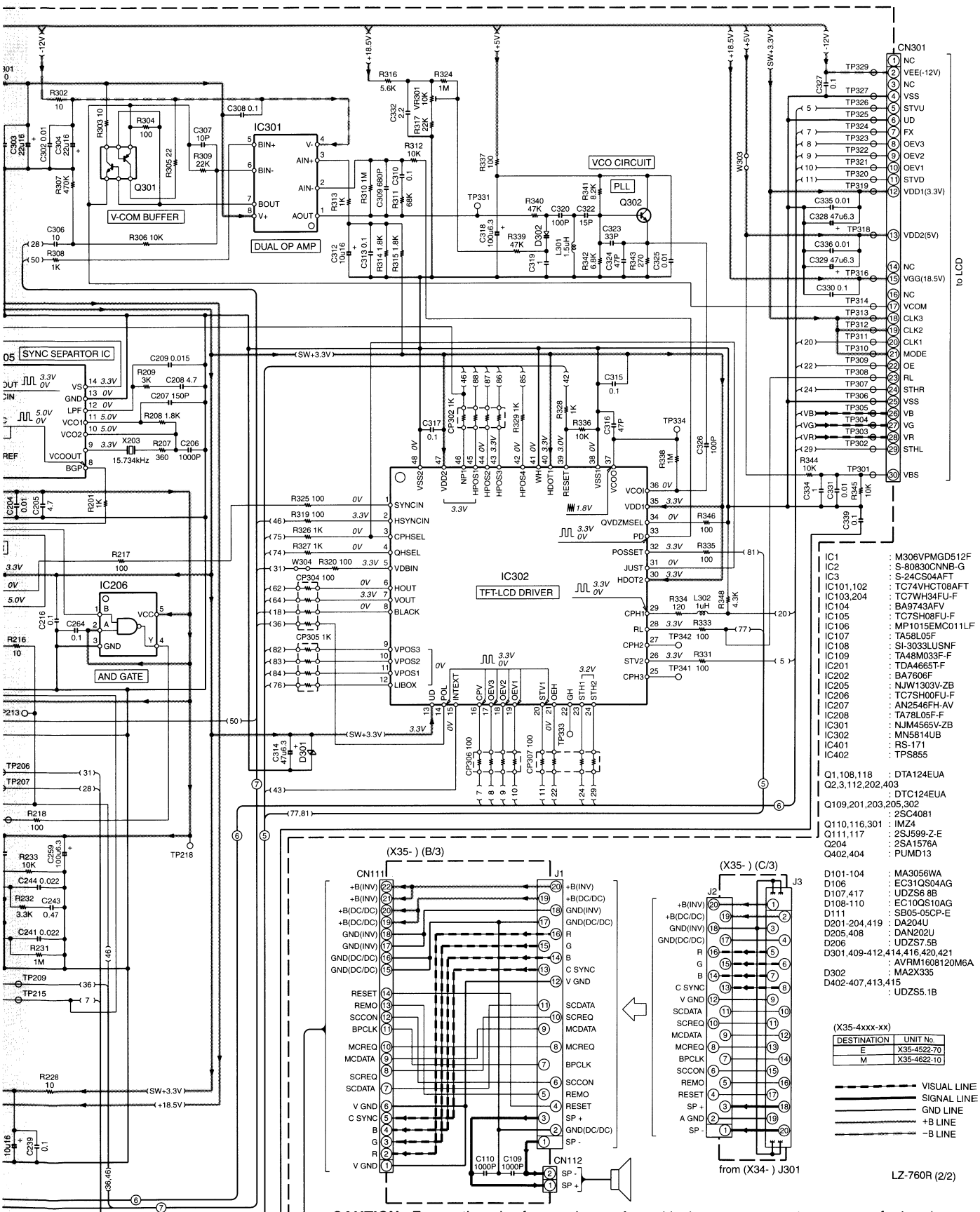

VIDEO UNIT (X35-4xxx-xx) (A/3)
CN101
+B(INV)
+B(DC/DC)
GND(INV)
GND(DC/DC)
RESET
REMO
SCCON
BPCLK
MCREQ
MCDATA
SCREQ
SCDATA
V GND
C SYNC
B
G
R
V GND
CN104
to LCD (BACK LIGHT)
5V REG
3.3V REG
IC107
IC108
TRANSISITOR for +B DETECTION CIRCUIT
POWER SUPPLY SW FET for INVERTER
POWER SUPPLY SW for INVERTER
Q110
Q111
Q116
Q117
Q118
Q112,118
THE DIGITAL TRANSISTOR for DC/DC POWER SUPPLY SW CONTROL
AND GATE
3→5V CONVERTER
IC101
IC102
IC103
IC104
IC106
DC-DC CONTROL
NON-INVERTER
SW +5V
+5V
SW+3.3V

LZ-760R


Q108
+B DETECT
Q109
TP133
W105
DIGITAL TRANSISTOR
Q3
BZ1
TP134
+18.5V
SW+18.5V
TP135
-12V
SW -12V
TP136
+8V
SW+8V
SW +5V
TP137
+5V
3.3V REG
IC109
IN OUT GND
TP138
SW+3.3V
AND GATE
IC105
W115
D419
IC401
REMOTE CONTROL SENSOR
SCREEN
S401
MODE
S402
POWER
S403
V.SEL
S404
VOL+
S405
S406
D402
D403
D404
D405
D406
D407
TP408
TP409
TP410
TP411
TP412
TP413
M+3.3V
M+5V
IC1
OSD u-COM
POS SET
VPOS3
VPOS2
VPOS1
HPOS4
HPOS3
HPOS2
HPOS1
YDATA
XDATA
DIM SENS
VHOLD2
HLF2
CVIN2
TVSETB
VCCE
CVIN1
Q1,2
DIGITAL TRANSISTOR
Q2
Q1
IC2
RESET IC
X1
16.000MHz
IC3
E2PROM
VSEL
POWER
SCREQ
P WATCH
NTSC PAL
V MUTE
INTEXT
INV EN
P ON
BUSY
BPCLK
SCDATA
MCDATA
OSD B
OSD G
OSD R
SDATA

LZ-760R


to TOUCH PANEL
CN401
IC402
DIMMER SENSOR
SWITCH
RESET
VOL-
5V REG
IC208
IC205
SYNC S
IC204
NON-INVERTER
Q201-205
C-CYNC BUFFER
1H DELAY
IC201
IC202
VIDEO SIGNAL SW
IC207
TIMING CONTROLLER
X201 4.4336MHz
X202 3.576MHz
M+5V
M+3.3V
SW+3.3V
+5V
+8V
+12V
-12V
+18.5V



IC1 : M306VPMGD512F
IC2 : S-80830CNNB-G
IC3 : S-24CS04AFT
IC101,102 : TC74VHCT08AFT
IC103,204 : TC7WH34FU-F
IC104 : BA9743AFV
IC105 : TC7SH08FU-F
IC106 : MP1015EMC011LF
IC107 : TA58L05F
IC108 : SI-3033LUSNF
IC109 : TA48M033F-F
IC201 : TDA4665T-F
IC202 : BA7606F
IC205 : NJW1303V-ZB
IC206 : TC7SH00FU-F
IC207 : AN2546FH-AV
IC208 : TA78L05F-F
IC301 : NJM4565V-ZB
IC302 : MN5814UB
IC401 : RS-171
IC402 : TPS855

Q1,108,118 : DTA124EUA
Q2,3,112,202,403 : DTC124EUA
Q109,201,203,205,302 : 2SC4081
Q110,116,301 : IMZ4
Q111,117 : 2SJ599-Z-E
Q204 : 2SA1576A
Q402,404 : PUMD13

D101-104 : MA3056WA
D106 : EC31QS04AG
D107,417 : UDZS 8B
D108-110 : EC10QS10AG
D111 : SB05-05CP-E
D201-204,419 : DA204U
D205,408 : DAN202U
D206 : UDZS7.5B
D301,409-412,414,416,420,421 : AVRM1608120M6A
D302 : MA2X335
D402-407,413,415 : UDZS5.1B

(X35-4xxx-xx)

DESTINATION	UNIT No.
E	X35-4522-70
M	X35-4622-10

VISUAL LINE
SIGNAL LINE
GND LINE
+B LINE
−B LINE

LZ-760R (2/2)

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
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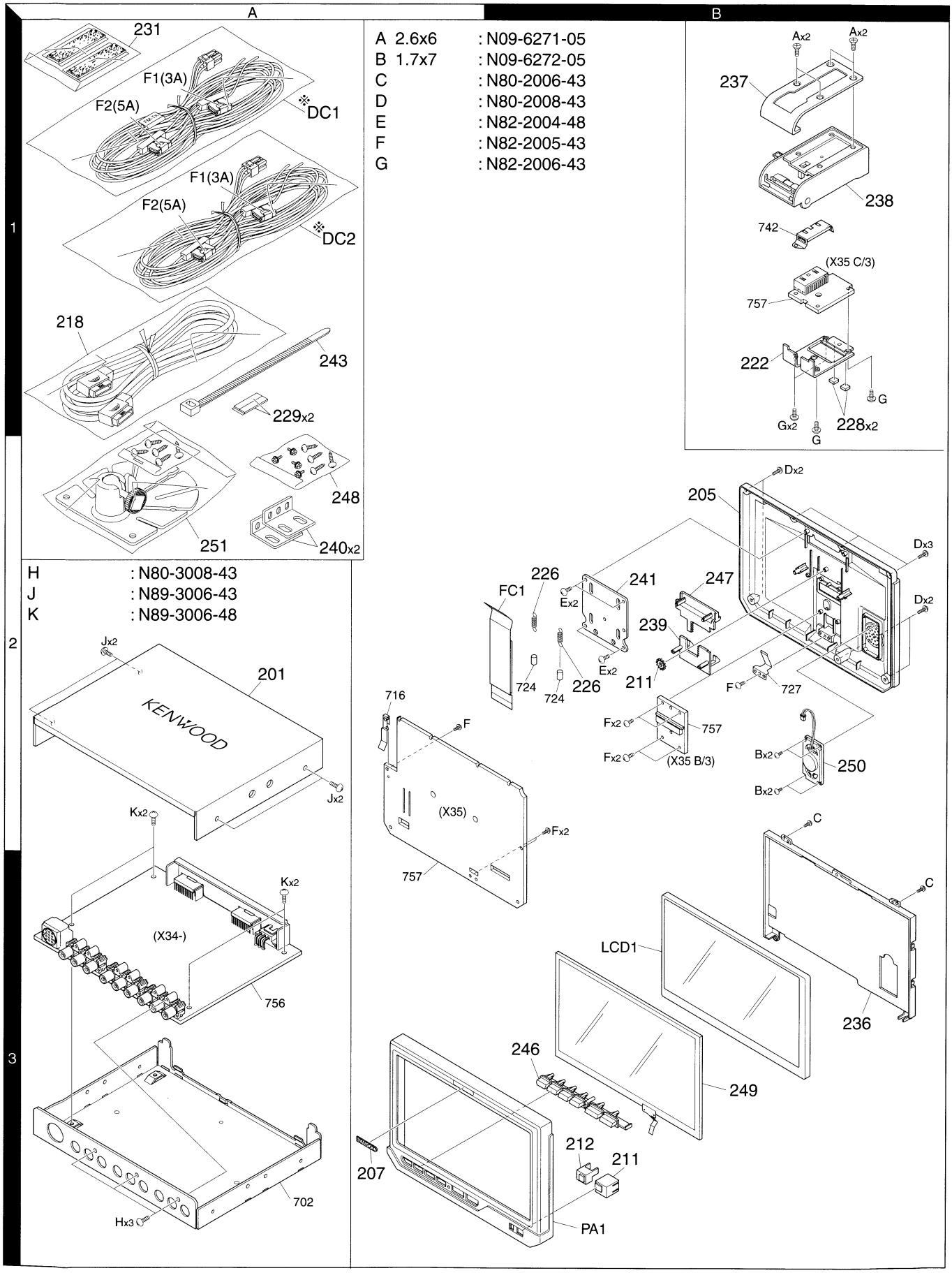
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

LZ-760R

EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

✻ New parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	Add	New	Parts No.	Description	Destination
LZ-760R					
201	2A	✻	A01-2879-02	METALLIC CABINET	
205	2B	✻	A46-1831-02	REAR COVER ASSY	
PA1	3B	✻	A64-3685-01	PANEL	
-			B46-0100-50	WARRANTY CARD	E
-			B46-0639-00	WARRANTY CARD	M
-		✻	B64-3159-00	INST. MANUAL (ENG,GER)	E
-		✻	B64-3160-00	INST. MANUAL (ENG,S-CHI)	M
-		✻	B64-3169-00	INST. MANUAL (FRE,DUT)	E
-		✻	B64-3170-00	INST. MANUAL (ITA,SPA)	E
207	3B		B43-1527-04	BADGE	
211	3B	✻	B10-4721-03	FRONT GLASS	
212	3B	✻	B10-4722-03	FRONT GLASS	
LCD1	3B		B38-1158-05	LCD	
211	2B	✻	D13-2383-03	GEAR	
218	1A	✻	E30-6465-05	CORD WITH PLUG	
DC1	1A	✻	E30-6464-05	DC CORD (with FM-TX)	M
DC2	1A	✻	E30-6493-05	DC CORD	E
FC1	2B	✻	E39-0782-05	FLAT CABLE (22-PIN)	
222	1B	✻	F19-1462-03	SHIELDING PLATE	
⚠ F1	1A		F52-0002-05	FUSE (MINI BLADE) (3A) (ACC)	
⚠ F2	1A		F52-0004-05	FUSE (MINI BLADE) (5A) (BU)	
226	2B	✻	G01-3272-04	EXTENSION SPRING	
228	1B	✻	G11-3661-14	CUSHION	
229	1A	✻	G11-3662-14	CUSHION	
-		✻	H02-0841-03	INNER CARTON CASE	
-		✻	H10-4953-02	POLYSTYRENE FOAMED FIXTURE	
-			H25-0333-04	PROTECTION BAG (125X160X0.03)	
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-			H25-1180-04	PROTECTION BAG (250X250)	
-		✻	H25-1223-04	PROTECTION BAG (280X280X0.03)	
-		✻	H54-3545-03	ITEM CARTON CASE	E
-		✻	H54-3546-03	ITEM CARTON CASE	M
231	1A		H30-0051-05	MAGIC TAPE	
236	3B	✻	J19-7093-02	HOLDER	
237	1B	✻	J19-7094-03	HOLDER	
238	1B	✻	J19-7095-02	HOLDER	
239	2B	✻	J19-7096-03	HOLDER	
240	2A		J22-0054-14	MOUNTING HARDWARE	
241	2B	✻	J22-0389-03	MOUNTING HARDWARE	
243	1A	✻	J61-0620-05	WIRE BAND	
246	3B	✻	K25-1757-01	PUSH KNOB	
247	2B	✻	K27-3566-13	LEVER KNOB	
248	2A		N99-1753-05	SCREW SET	
A	1B		N09-6271-05	TAPTITE SCREW (2.6X6)	
B	2B		N09-6272-05	TAPTITE SCREW (1.7X7)	
C	2B	✻	N80-2006-43	PAN HEAD TAPTITE SCREW	
D	2B		N80-2008-43	PAN HEAD TAPTITE SCREW	
E	2B		N82-2004-48	BINDING HEAD TAPTITE SCREW	
F	2B	✻	N82-2005-43	BINDING HEAD TAPTITE SCREW	
G	1B		N82-2006-43	BINDING HEAD TAPTITE SCREW	
H	3A	✻	N80-3008-43	PAN HEAD TAPTITE SCREW	
J	2A		N89-3006-43	BINDING HEAD TAPTITE SCREW	
K	2A		N89-3006-48	BINDING HEAD TAPTITE SCREW	
249	3B		S79-0845-05	SWITCH ASSY	
250	2B		T19-0258-15	SPEAKER SYSTEM (16-OHM)	
251	2A		W01-1508-05	MOUNTING HARDWARE	

Ref. No.	New	Parts No.	Description		Destination
ELECTRIC UNIT (X34-3xxx-xx)					
C1		CD04AS1C470M	ELECTRO	47UF 16WV	
C2		CK73GB1H103K	CHIP C	0.010UF K	
C3-7		CK73GB1H104K	CHIP C	0.10UF K	
C8,9		CK73GB1A474K	CHIP C	0.47UF K	
C10		CC73GCH1H221J	CHIP C	220PF J	
C11		CK73GB1H104K	CHIP C	0.10UF K	
C12		CD04BA1C100M	ELECTRO	10UF 16WV	
C101		C90-5612-05	ELECTRO	3900UF 16WV	
C102		CK73GB1H104K	CHIP C	0.10UF K	
C103	✻	CD04AZ1V102M	ELECTRO	1000UF 35WV	
C105-107		CK73GB1H104K	CHIP C	0.10UF K	
C109		CK73GB1H104K	CHIP C	0.10UF K	
C110		CK73GB1H223K	CHIP C	0.022UF K	
C111		CD04AS1C101M	ELECTRO	100UF 16WV	
C112		CK73GB1H104K	CHIP C	0.10UF K	
C113		CD04BJ1E470M	ELECTRO	47UF 25WV	
C114		CD04AR1C471M	ELECTRO	470UF 16WV	
C115		CK73FB1C105K	CHIP C	1.0UF K	
C116		CC73GCH1H331J	CHIP C	330PF J	
C118		CK73GB1H104K	CHIP C	0.10UF K	
C119,120		CD04AS1C101M	ELECTRO	100UF 16WV	
C121		CK73GB1H104K	CHIP C	0.10UF K	
C131		CC73GCH1H221J	CHIP C	220PF J	
C132		CK73GB1H104K	CHIP C	0.10UF K	
C133		CK73GB0J225K	CHIP C	2.2UF K	
C134		CK73GB1H104K	CHIP C	0.10UF K	
C135		CD04BA1C100M	ELECTRO	10UF 16WV	
C136		CK73GB1H104K	CHIP C	0.10UF K	
C141		CK73GB1H103K	CHIP C	0.010UF K	
C142-144		CK73GB1H104K	CHIP C	0.10UF K	
C201		CC73GCH1H220J	CHIP C	22PF J	
C202,203		CK73FB1A225K	CHIP C	2.2UF K	
C204,205		CK73GB1H102K	CHIP C	1000PF K	
C206		CD04BA1H2R2M	ELECTRO	2.2UF 50WV	
C207		CD04AY1H220M	ELECTRO	22UF 50WV	
C208		CD04BA1H2R2M	ELECTRO	2.2UF 50WV	
C209		CD04BA1C100M	ELECTRO	10UF 16WV	
C211		CC73GCH1H220J	CHIP C	22PF J	
C212,213		CK73FB1A225K	CHIP C	2.2UF K	
C214,215		CK73GB1H102K	CHIP C	1000PF K	
C216		CD04BA1H2R2M	ELECTRO	2.2UF 50WV	
C217		CD04AY1H220M	ELECTRO	22UF 50WV	
C218		CD04BA1H2R2M	ELECTRO	2.2UF 50WV	
C219		CD04BA1C100M	ELECTRO	10UF 16WV	
C221		CK73FB1A225K	CHIP C	2.2UF K	

E : Europe **K** : North America **M** : Other Areas **W** : Without Europe

⚠ Indicates safety critical components.

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PARTS LIST

ELECTRIC UNIT (X34-3xxx-xx)

Ref. No.	Add	New	Parts No.	Description			Destination
C222			CK73FB1C105K	CHIP C	1.0UF	K	
C223			CK73GB1H104K	CHIP C	0.10UF	K	
C225			CD04AY1H220M	ELECTRO	22UF	50WV	
C226			CK73GB1H104K	CHIP C	0.10UF	K	
C227			CD04AY1H220M	ELECTRO	22UF	50WV	
C228			CK73GB1H104K	CHIP C	0.10UF	K	
C229			CD04BA1C100M	ELECTRO	10UF	16WV	
C231-233			CC73GCH1H220J	CHIP C	22PF	J	
C234-236			CK73FB1C105K	CHIP C	1.0UF	K	
C237			CC73GCH1H220J	CHIP C	22PF	J	
C238,239			CK73FB1A225K	CHIP C	2.2UF	K	
C240,241			CK73GB1H102K	CHIP C	1000PF	K	
C242			CD04BA1H2R2M	ELECTRO	2.2UF	50WV	
C243			CD04AY1H220M	ELECTRO	22UF	50WV	
C244			CD04BA1H2R2M	ELECTRO	2.2UF	50WV	
C245			CD04BA1C100M	ELECTRO	10UF	16WV	
C246			CD04AY1H220M	ELECTRO	22UF	50WV	
C247			CK73GB1H104K	CHIP C	0.10UF	K	
C248			CD04BA1C100M	ELECTRO	10UF	16WV	
C249			CK73GB1H104K	CHIP C	0.10UF	K	
C251-253			CC73GCH1H220J	CHIP C	22PF	J	
C254			CK73FB1A225K	CHIP C	2.2UF	K	
C255-257			CK73FB1C105K	CHIP C	1.0UF	K	
C258			CD04BA1H2R2M	ELECTRO	2.2UF	50WV	
C259			CD04AY1H220M	ELECTRO	22UF	50WV	
C260			CD04BA1H2R2M	ELECTRO	2.2UF	50WV	
C261			CD04BA1C100M	ELECTRO	10UF	16WV	
C262			CD04AY1H220M	ELECTRO	22UF	50WV	
C263			CK73GB1H104K	CHIP C	0.10UF	K	
C271-275			CK73GB1H102K	CHIP C	1000PF	K	
C276			CK73GB1H104K	CHIP C	0.10UF	K	
C301-306			CD04AX1C100M	ELECTRO	10UF	16WV	
C307			CK73GB1H104K	CHIP C	0.10UF	K	
C308			CD04AS1A330M	ELECTRO	33UF	10WV	
C309			CD04AY1A221M	ELECTRO	220UF	10WV	
C310			CC73GCH1H220J	CHIP C	22PF	J	
C311			CD04BA1C100M	ELECTRO	10UF	16WV	
C312			CK73GB1H222K	CHIP C	2200PF	K	
C313			CK73GB1H104K	CHIP C	0.10UF	K	
C314			CD04AY1H220M	ELECTRO	22UF	50WV	
C315			CD04BA1C100M	ELECTRO	10UF	16WV	
C316			CK73GB1H222K	CHIP C	2200PF	K	
C317			CK73GB1H104K	CHIP C	0.10UF	K	
C318			CD04AY1H220M	ELECTRO	22UF	50WV	
C319			CD04BA1C100M	ELECTRO	10UF	16WV	
C320			CK73GB1H104K	CHIP C	0.10UF	K	
C321			CD04BA1C100M	ELECTRO	10UF	16WV	
C322			CK73GB1C224K	CHIP C	0.22UF	K	
C323			CK73GB1H104K	CHIP C	0.10UF	K	
C324			CD04AS1C470M	ELECTRO	47UF	16WV	
C325			CK73GB1H104K	CHIP C	0.10UF	K	
C326			CK73GB1A105K	CHIP C	1.0UF	K	
C327			CD04AY1A221M	ELECTRO	220UF	10WV	
C328			CD04AS1C101M	ELECTRO	100UF	16WV	
C329			CK73GB1H104K	CHIP C	0.10UF	K	

Ref. No.	Add	New	Parts No.	Description			Destination
C330-332			CK73FB1C105K	CHIP C	1.0UF	K	
C333			CD04AS1C101M	ELECTRO	100UF	16WV	
C334			CD04AY1H220M	ELECTRO	22UF	50WV	
C335			CD04AS1C101M	ELECTRO	100UF	16WV	
C336			CD04AY1H220M	ELECTRO	22UF	50WV	
C337			CD04AS1C101M	ELECTRO	100UF	16WV	
C338			CD04AY1H220M	ELECTRO	22UF	50WV	
C339			CK73GB1H104K	CHIP C	0.10UF	K	
C340			CD04BA1C100M	ELECTRO	10UF	16WV	
C341,342			CK73GB1A474K	CHIP C	0.47UF	K	
C343			CD04BA1H2R2M	ELECTRO	2.2UF	50WV	
C344			CK73GB1H104K	CHIP C	0.10UF	K	
C345			CD04BA1H2R2M	ELECTRO	2.2UF	50WV	
C346			CD04AS1C101M	ELECTRO	100UF	16WV	
C347			CC73GCH1H471J	CHIP C	470PF	J	
C348			CK73GB1A474K	CHIP C	0.47UF	K	
C349			CK73GB1H104K	CHIP C	0.10UF	K	
C350			CK73GB1A105K	CHIP C	1.0UF	K	
C351,352			CK73GB1H102K	CHIP C	1000PF	K	
C353			CK73GB1H104K	CHIP C	0.10UF	K	
C354			CD04BA1C100M	ELECTRO	10UF	16WV	
C357			CD04BA1C100M	ELECTRO	10UF	16WV	
C358			CC73GCH1H221J	CHIP C	220PF	J	
C401			CD04AS1C101M	ELECTRO	100UF	16WV	M
C402,403			CD04BA1C100M	ELECTRO	10UF	16WV	M
C404			CK73GB1H222K	CHIP C	2200PF	K	M
C405			CC73GCH1H151J	CHIP C	150PF	J	M
C406			CD04BA1C100M	ELECTRO	10UF	16WV	M
C407			CK73FB1C105K	CHIP C	1.0UF	K	M
C408			CD04BA1C100M	ELECTRO	10UF	16WV	M
C409			CK73GB1H103K	CHIP C	0.010UF	K	M
C410			CD04AS1C101M	ELECTRO	100UF	16WV	M
C411			CK73GB1H473K	CHIP C	0.047UF	K	M
C412			CK73GB1H222K	CHIP C	2200PF	K	M
C413			CD04BA1C100M	ELECTRO	10UF	16WV	M
C414			CC73GCH1H471J	CHIP C	470PF	J	M
C415			CC73GCH1H220J	CHIP C	22PF	J	M
C416			CC73GCH1H070D	CHIP C	7.0PF	D	M
C417			CC73GCH1H120J	CHIP C	12PF	J	M
C418			CK73GB1H103K	CHIP C	0.010UF	K	M
C419,420			CK73GB1H102K	CHIP C	1000PF	K	M
C421			CC73GCH1H180J	CHIP C	18PF	J	M
C422			CC73GCH1H330J	CHIP C	33PF	J	M
C423			CC73GCH1H180J	CHIP C	18PF	J	M
C424			CD04BA1C100M	ELECTRO	10UF	16WV	M
C425			CK73GB1H104K	CHIP C	0.10UF	K	M
C426,427			CC73GCH1H330J	CHIP C	33PF	J	M
C429			CC73GCH1H151J	CHIP C	150PF	J	M
C430			CK73GB1H222K	CHIP C	2200PF	K	M
C431			CK73GB1H104K	CHIP C	0.10UF	K	
J101			E08-0610-05	RECTANGULAR RECEPTACLE			
J201			E63-0847-05	PIN JACK			
J202,203			E63-0848-05	PIN JACK			
J204		*	E58-1034-05	RECTANGULAR RECEPTACLE			
J205		*	E56-0864-05	CYLINDRICAL RECEPTACLE			

E : Europe **K** : North America **M** : Other Areas **W** : Without Europe

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-3xxx-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
J301		*	E58-1035-05	RECTANGULAR RECEPTACLE	
F103		*	F53-0304-05	FUSE (3.15A) (UL,CSA)	
F104		*	F53-0374-05	FUSE (1.5A)	
L101		*	L33-2283-05	CHOKE COIL	
L102			L33-2258-05	SMALL FIXED INDUCTOR (47UH)	
L103		*	L33-1859-05	CHOKE COIL	
L401,402			L41-2285-33	SMALL FIXED INDUCTOR (0.22UH)	M
L403			L41-1088-18	SMALL FIXED INDUCTOR (100NH)	M
X1		*	L78-1212-05	RESONATOR (16.00MHZ)	
X401			L77-2882-05	CRYSTAL RESONATOR (7.600MHZ)	M
CP1-4			RK74GB1J101J	CHIP-COM 100 J 1/16W	
CP5			RK74GB1J101J	CHIP-COM 100 J 1/16W	M
CP6-8			RK74GB1J101J	CHIP-COM 100 J 1/16W	
CP9			RK74GB1J101J	CHIP-COM 100 J 1/16W	M
CP11-13			RK74GB1J101J	CHIP-COM 100 J 1/16W	
CP401			RK74GB1J101J	CHIP-COM 100 J 1/16W	M
R1,2			RK73GB2A103J	CHIP R 10K J 1/10W	
R3			RK73GB2A101J	CHIP R 100 J 1/10W	
R4,5			RK73GB2A103J	CHIP R 10K J 1/10W	
R6-8			RK73GB2A101J	CHIP R 100 J 1/10W	
R9,10			RK73GB2A223J	CHIP R 22K J 1/10W	
R11-14			RK73GB2A473J	CHIP R 47K J 1/10W	
R16			RK73GB2A473J	CHIP R 47K J 1/10W	
R17,18			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R19,20			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R23			RK73GB2A473J	CHIP R 47K J 1/10W	
R24,25			RK73GB2A101J	CHIP R 100 J 1/10W	
R26			RK73GB2A103J	CHIP R 10K J 1/10W	
R27,28			RK73GB2A101J	CHIP R 100 J 1/10W	
R29			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R31			RK73GB2A103J	CHIP R 10K J 1/10W	M
R32			RK73GB2A103J	CHIP R 10K J 1/10W	E
R33			RK73GB2A101J	CHIP R 100 J 1/10W	
R101			RK73GB2A473J	CHIP R 47K J 1/10W	
R102			RK73GB2A223J	CHIP R 22K J 1/10W	
R107			RK73GB2A473J	CHIP R 47K J 1/10W	
R108			RK73EB2E332J	CHIP R 3.3K J 1/4W	
R109,110			RK73GB2A223J	CHIP R 22K J 1/10W	
R111			RK73GB2A302J	CHIP R 3.0K J 1/10W	
R115			RK73GB2A473J	CHIP R 47K J 1/10W	
R116			RK73GB2A103J	CHIP R 10K J 1/10W	
R117			RK73GB2A473J	CHIP R 47K J 1/10W	
R120,121			RK73GB2A223J	CHIP R 22K J 1/10W	
R122			RK73GB2A473J	CHIP R 47K J 1/10W	
R127			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R128			RK73GB2A101J	CHIP R 100 J 1/10W	
R129			RK73GB2A223J	CHIP R 22K J 1/10W	
R130			RK73EB2E471J	CHIP R 470 J 1/4W	
R141			RK73GB2A103J	CHIP R 10K J 1/10W	
R142			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R143			RK73GB2A153J	CHIP R 15K J 1/10W	
R144			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R145			RK73GB2A823J	CHIP R 82K J 1/10W	

Ref. No.	Add	New	Parts No.	Description	Destination
R146			RK73GB2A221J	CHIP R 220 J 1/10W	
R147			RK73GB2A563J	CHIP R 56K J 1/10W	
R150,151			RK73GB2A103J	CHIP R 10K J 1/10W	
R152			RK73GB2A473J	CHIP R 47K J 1/10W	
R161			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R162			RK73GB2A473J	CHIP R 47K J 1/10W	
R163			RK73GB2A471J	CHIP R 470 J 1/10W	
R201			RK73GB2A750J	CHIP R 75 J 1/10W	
R202			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R203			RK73FB2B101J	CHIP R 100 J 1/8W	
R204			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R205,206			RK73GB2A101J	CHIP R 100 J 1/10W	
R207,208			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R211			RK73GB2A750J	CHIP R 75 J 1/10W	
R212			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R213			RK73FB2B101J	CHIP R 100 J 1/8W	
R214			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R215,216			RK73GB2A101J	CHIP R 100 J 1/10W	
R217,218			RK73GB2A223J	CHIP R 22K J 1/10W	
R219			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R220			RK73GB2A561J	CHIP R 560 J 1/10W	
R221			RK73GB2A334J	CHIP R 330K J 1/10W	
R231-233			RK73GB2A750J	CHIP R 75 J 1/10W	
R234-236			RK73FB2B101J	CHIP R 100 J 1/8W	
R237			RK73GB2A750J	CHIP R 75 J 1/10W	
R238,239			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R240-242			RK73FB2B101J	CHIP R 100 J 1/8W	
R243			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R244			RK73FB2B101J	CHIP R 100 J 1/8W	
R245			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R246			RK73FB2B101J	CHIP R 100 J 1/8W	
R247			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R248,249			RK73GB2A101J	CHIP R 100 J 1/10W	
R250			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R251-254			RK73GB2A750J	CHIP R 75 J 1/10W	
R255-257			RK73FB2B101J	CHIP R 100 J 1/8W	
R258			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R259			RK73FB2B101J	CHIP R 100 J 1/8W	
R260			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R261,262			RK73GB2A101J	CHIP R 100 J 1/10W	
R263-265			RK73FB2B101J	CHIP R 100 J 1/8W	
R266,267			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R271-277			RK73FB2B101J	CHIP R 100 J 1/8W	
R278-283			RK73GB2A101J	CHIP R 100 J 1/10W	
R301			RK73EB2E430J	CHIP R 43 J 1/4W	
R302			RK73GB2A103J	CHIP R 10K J 1/10W	
R303			RK73EB2E471J	CHIP R 470 J 1/4W	
R304			RK73GB2A473J	CHIP R 47K J 1/10W	
R305			RK73GB2A101J	CHIP R 100 J 1/10W	
R306			RK73EB2E471J	CHIP R 470 J 1/4W	
R307			RK73GB2A473J	CHIP R 47K J 1/10W	
R308			RK73GB2A101J	CHIP R 100 J 1/10W	
R309			RK73GB2A105J	CHIP R 1.0M J 1/10W	
R310			RK73GB2A103J	CHIP R 10K J 1/10W	
R311			RK73GB2A473J	CHIP R 47K J 1/10W	

E : Europe **K** : North America **M** : Other Areas **W** : Without Europe

⚠ Indicates safety critical components.

LZ-760R

PARTS LIST

ELECTRIC UNIT (X34-3xxx-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
R312-315			RK73GB2A103J	CHIP R 10K J 1/10W	
R316,317			RK73GB2A223J	CHIP R 22K J 1/10W	
R318			RK73GB2A104J	CHIP R 100K J 1/10W	
R319			RK73GB2A103J	CHIP R 10K J 1/10W	
R321			RK73GB2A302J	CHIP R 3.0K J 1/10W	
R322			RK73GB2A103J	CHIP R 10K J 1/10W	
R323			RK73GB2A393J	CHIP R 39K J 1/10W	
R324			RK73GB2A183J	CHIP R 18K J 1/10W	
R325-328			RK73GB2A103J	CHIP R 10K J 1/10W	
R331-338			RK73FB2B101J	CHIP R 100 J 1/8W	
R339-342			RK73FB2B750J	CHIP R 75 J 1/8W	
R351,352			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R353,354			RK73GB2A223J	CHIP R 22K J 1/10W	
R355,356			RK73GB2A103J	CHIP R 10K J 1/10W	
R401			RK73GB2A104J	CHIP R 100K J 1/10W	M
R402			RK73GB2A472J	CHIP R 4.7K J 1/10W	M
R403			RK73GB2A103J	CHIP R 10K J 1/10W	M
R404			RK73EB2E102J	CHIP R 1.0K J 1/4W	M
R405			RK73GB2A103J	CHIP R 10K J 1/10W	M
R406			RK73EB2E102J	CHIP R 1.0K J 1/4W	M
R407			RK73GB2A562J	CHIP R 5.6K J 1/10W	M
R408,409			RK73GB2A103J	CHIP R 10K J 1/10W	M
R410			RK73GB2A101J	CHIP R 100 J 1/10W	M
R411			RK73GB2A223J	CHIP R 22K J 1/10W	M
R412			RK73GB2A101J	CHIP R 100 J 1/10W	M
R413			RK73GB2A222J	CHIP R 2.2K J 1/10W	M
R414,415			RK73GB2A332J	CHIP R 3.3K J 1/10W	M
R416			RK73GB2A103J	CHIP R 10K J 1/10W	M
R417			RK73GB2A473J	CHIP R 47K J 1/10W	M
R418			RK73GB2A151J	CHIP R 150 J 1/10W	M
R419			RK73GB2A111J	CHIP R 110 J 1/10W	M
R420			RK73GB2A151J	CHIP R 150 J 1/10W	M
R421			RK73GB2A111J	CHIP R 110 J 1/10W	M
R422			RK73GB2A221J	CHIP R 220 J 1/10W	M
R423			RK73GB2A111J	CHIP R 110 J 1/10W	M
R425			RK73GB2A101J	CHIP R 100 J 1/10W	M
R426			RK73EB2E101J	CHIP R 100 J 1/4W	M
W1 ,2			R92-1252-05	CHIP R 0 OHM J 1/16W	
W101			R92-1252-05	CHIP R 0 OHM J 1/16W	
W103			R92-1252-05	CHIP R 0 OHM J 1/16W	
W106			R92-1252-05	CHIP R 0 OHM J 1/16W	
W112			R92-1252-05	CHIP R 0 OHM J 1/16W	
W202			R92-1252-05	CHIP R 0 OHM J 1/16W	
W204,205			R92-1252-05	CHIP R 0 OHM J 1/16W	
W301			R92-1252-05	CHIP R 0 OHM J 1/16W	
W309-312			R92-1252-05	CHIP R 0 OHM J 1/16W	
W316			R92-1252-05	CHIP R 0 OHM J 1/16W	
W319,320			R92-1252-05	CHIP R 0 OHM J 1/16W	
W322,323			R92-1252-05	CHIP R 0 OHM J 1/16W	
D1,2			DAN202U	DIODE	
D101			RM10ZLFNF	DIODE	
D103			1SR154-400	DIODE	
D104			UDZS6.8B	ZENER DIODE	
D105			UDZS10B	ZENER DIODE	

Ref. No.	Add	New	Parts No.	Description	Destination
D106			UDZS6.8B	ZENER DIODE	
D107			DA204U	DIODE	
D108			DAN202U	DIODE	
D109			EC31QS04AG	DIODE	
D113			1SR154-400	DIODE	
D142			DA204U	DIODE	
D200			DAN202U	DIODE	
D201			MA3068WA	ZENER DIODE	
D202-204			DA204U	DIODE	
D205			MA3068WA	ZENER DIODE	
D206-209			DA204U	DIODE	
D210			DAN202U	DIODE	
D211-213			MA3068WA	ZENER DIODE	
D214-216			DA204U	DIODE	
D217			MA3068WA	ZENER DIODE	
D218-223			DA204U	DIODE	
D224			UDZS6.8B	ZENER DIODE	
D225			MA3056WA	ZENER DIODE	
D226			UDZS6.8B	ZENER DIODE	
D227-229			DA204U	DIODE	
D230			UDZS6.8B	ZENER DIODE	
D231			MA3068WA	ZENER DIODE	
D232,233			DAN202U	DIODE	
D301,302			DA204U	DIODE	
D303-306			MA3068WA	ZENER DIODE	
D307-310			MA3056WA	ZENER DIODE	
D311,312			AVRM1608270MAA	VARISTOR	
D313,314			DAN202U	DIODE	
D401			1SV228-F	VARIABLE CAPACITANCE DIODE	M
IC1		*	M30302MAP071F	MICROPROCESSOR IC	
IC2		*	S-80842CNNB-G	MOS-IC	
IC3			S24CS02AFJTBG	ROM IC	
IC101			NJM78M05DL1AZB	ANALOGUE IC	
IC102			BA9743AFV	ANALOGUE IC	
IC103		*	TA58L05F	ANALOGUE IC	
IC201,202			BA3121F	ANALOGUE IC	
IC203			MM1108XFFE-E	ANALOGUE IC	
IC204			TC7WH34FU-F	MOS-IC	
IC205,206			BA3121F	ANALOGUE IC	
IC207			TC7WH34FU-F	MOS-IC	
IC301			BA7612F	ANALOGUE IC	
IC302,303		*	NJM2521M-ZB	ANALOGUE IC	
IC304			BA7649F	ANALOGUE IC	
IC305			MM1234XFBE-E	ANALOGUE IC	
IC306			NJM2267V-ZB	ANALOGUE IC	
IC307			BA7666FS	ANALOGUE IC	
IC308			TC4052BF(N)-F	MOS-IC	
IC309			NJM4565MD-ZB	ANALOGUE IC	
IC310			TDA7052BT-F	ANALOGUE IC	
IC401			BH1415F	ANALOGUE IC	M
IC403			TC7WH34FU-F	MOS-IC	
Q1			DTC124EUA	DIGITAL TRANSISTOR	
Q2,3			DTA124EUA	DIGITAL TRANSISTOR	
Q101			DTC124EUA	DIGITAL TRANSISTOR	
Q103			2SC4081	TRANSISTOR	

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⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-3xxx-xx)

Ref. No.	Add	New	Parts No.	Description			Destination
Q105			2SC4081	TRANSISTOR			
Q106			DTA124EUA	DIGITAL TRANSISTOR			
Q107		*	2SJ599-Z-E	FET			
Q108			DTC124EUA	DIGITAL TRANSISTOR			
Q109			2SC4081	TRANSISTOR			
Q110			2SB1188	TRANSISTOR			
Q111			IMZ4	TRANSISTOR			
Q112		*	2SJ599-Z-E	FET			
Q131			DTC124EUA	DIGITAL TRANSISTOR			
Q132			DTA124EUA	DIGITAL TRANSISTOR			
Q141			DTA124EUA	DIGITAL TRANSISTOR			
Q201			2SC4081	TRANSISTOR			
Q301,302			DTC323TU	DIGITAL TRANSISTOR			
Q303			DTA124EUA	DIGITAL TRANSISTOR			
Q304			DTC124EUA	DIGITAL TRANSISTOR			
Q306			DTC124EUA	DIGITAL TRANSISTOR			
Q307			DTA124EUA	DIGITAL TRANSISTOR			
Q309			DTC124EUA	DIGITAL TRANSISTOR			
Q310			DTA124EUA	DIGITAL TRANSISTOR			
Q401			2SA1577	TRANSISTOR			M
Q402			DTC124EUA	DIGITAL TRANSISTOR			M
Q403,404			2SK3018	FET			M
Q405,406			2SC4081	TRANSISTOR			M
VIDEO UNIT (X35-4xxx-xx)							
C1			CE32CL0J101M	CHIP EL	100UF	6.3WV	
C2			CK73GB1H103K	CHIP C	0.010UF	K	
C3		*	CE32BM1C100M	CHIP EL	10UF	16WV	
C4,5			CK73GB1H104K	CHIP C	0.10UF	K	
C6			CK73GB1H102K	CHIP C	1000PF	K	
C7			CK73GB1H103K	CHIP C	0.010UF	K	
C8			CK73GB1H104K	CHIP C	0.10UF	K	
C9			CK73GB1H153K	CHIP C	0.015UF	K	
C10			CC73GCH1H020C	CHIP C	2.0PF	C	
C11			CK73GB1H104K	CHIP C	0.10UF	K	
C12-14			CC73GCH1H100D	CHIP C	10PF	D	
C15,16			CK73GB1H102K	CHIP C	1000PF	K	
C17-20			CC73GCH1H101J	CHIP C	100PF	J	
C21,22			CK73GB1H102K	CHIP C	1000PF	K	
C24			CC73GCH1H101J	CHIP C	100PF	J	
C25			CK73GB1H104K	CHIP C	0.10UF	K	
C101			CD04AY1C102M	ELECTRO	1000UF	16WV	
C102			CK73GB1H104K	CHIP C	0.10UF	K	
C103			CE32BM1C221M	CHIP EL	220UF	16WV	
C104			CK73GB1H104K	CHIP C	0.10UF	K	
C105-108			CC73GCH1H220J	CHIP C	22PF	J	
C109,110			CK73GB1H102K	CHIP C	1000PF	K	
C111			CE32BM1C221M	CHIP EL	220UF	16WV	
C113,114			CK73GB1H104K	CHIP C	0.10UF	K	
C115		*	CE32BM1C220M	CHIP EL	22UF	16WV	
C117		*	CE32BM1C220M	CHIP EL	22UF	16WV	
C118,119			CK73GB1H104K	CHIP C	0.10UF	K	
C120			CK73GB1H102K	CHIP C	1000PF	K	
C122		*	CE32CL1E330M	CHIP EL	33UF	25WV	
C123			CK73GB1H104K	CHIP C	0.10UF	K	

Ref. No.	Add	New	Parts No.	Description			Destination
C124		*	CE32CL1E330M	CHIP EL	33UF	25WV	
C125			CK73GB1H104K	CHIP C	0.10UF	K	
C127			CE32CL1C470M	CHIP EL	47UF	16WV	
C128			CK73GB1H104K	CHIP C	0.10UF	K	
C129			CE32CL1C470M	CHIP EL	47UF	16WV	
C130			CK73GB1H104K	CHIP C	0.10UF	K	
C132		*	CE32BM1E101M	CHIP EL	100UF	25WV	
C133			CK73GB1H104K	CHIP C	0.10UF	K	
C134		*	CE32BM1E101M	CHIP EL	100UF	25WV	
C135-137			CK73GB1H104K	CHIP C	0.10UF	K	
C138,139			CE32BM1C221M	CHIP EL	220UF	16WV	
C140,141			CK73GB1H104K	CHIP C	0.10UF	K	
C143			CE32BJ0J470M	CHIP EL	47UF	6.3WV	
C144			CK73GB1H104K	CHIP C	0.10UF	K	
C146			CK73GB1H104K	CHIP C	0.10UF	K	
C147			CE32CL1C470M	CHIP EL	47UF	16WV	
C148			CK73GB1H103K	CHIP C	0.010UF	K	
C149			CC73GCH1H221J	CHIP C	220PF	J	
C150			CK73GB1H104K	CHIP C	0.10UF	K	
C152			CK73GB1A105K	CHIP C	1.0UF	K	
C153			CK73GB1A334K	CHIP C	0.33UF	K	
C154			CK73GB1H104K	CHIP C	0.10UF	K	
C155			CE32BM1C221M	CHIP EL	220UF	16WV	
C156,157			CK73FB1C105K	CHIP C	1.0UF	K	
C158			CK73EB1A475K	CHIP C	4.7UF	K	
C159-161			CK73GB1H104K	CHIP C	0.10UF	K	
C162			C93-1363-05	CHIP C	10PF		
C163			CK73GB1H472K	CHIP C	4700PF	K	
C164,165			CK73GB1H104K	CHIP C	0.10UF	K	
C166			CK73EB1E225K	CHIP C	2.2UF	K	
C167			CK73GB1H103K	CHIP C	0.010UF	K	
C168			CK73FB1C105K	CHIP C	1.0UF	K	
C169			CK73GB1A474K	CHIP C	0.47UF	K	
C170			CK73GB1H152K	CHIP C	1500PF	K	
C171			CK73GB1A105K	CHIP C	1.0UF	K	
C172			CK73GB1H103K	CHIP C	0.010UF	K	
C173			CK73FB1C105K	CHIP C	1.0UF	K	
C174			CK73GB1H104K	CHIP C	0.10UF	K	
C175-180			CK73GB1H102K	CHIP C	1000PF	K	
C181			CK73EB1A475K	CHIP C	4.7UF	K	
C182,183			CK73GB1H104K	CHIP C	0.10UF	K	
C184			CK73EB1A475K	CHIP C	4.7UF	K	
C185			CK73GB1H104K	CHIP C	0.10UF	K	
C186			CC73GCH1H101J	CHIP C	100PF	J	
C187			CK73GB1H102K	CHIP C	1000PF	K	
C188			CC73GCH1H101J	CHIP C	100PF	J	
C189-191			CK73GB1H102K	CHIP C	1000PF	K	
C192			CK73GB1A474K	CHIP C	0.47UF	K	
C202			CK73GB1A105K	CHIP C	1.0UF	K	
C203			CC73GCH1H331J	CHIP C	330PF	J	
C204			CK73GB1H103K	CHIP C	0.010UF	K	
C205			CK73EB1A475K	CHIP C	4.7UF	K	
C206			CC73GCH1H102J	CHIP C	1000PF	J	
C207			CC73GCH1H151J	CHIP C	150PF	J	
C208			CK73EB1A475K	CHIP C	4.7UF	K	

E : Europe **K** : North America **M** : Other Areas **W** : Without Europe

⚠ Indicates safety critical components.

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PARTS LIST

VIDEO UNIT (X35-4xxx-xx)

Ref. No.	Add	New	Parts No.	Description			Destination
C209			CK73GB1H153K	CHIP C	0.015UF	K	
C210			CK73GB1A105K	CHIP C	1.0UF	K	
C211			CC73GCH1H220J	CHIP C	22PF	J	
C212			CC73GCH1H060D	CHIP C	6.0PF	D	
C213			CC73GCH1H330J	CHIP C	33PF	J	
C214			CC73GCH1H060D	CHIP C	6.0PF	D	
C215			CK73EB1A475K	CHIP C	4.7UF	K	
C216			CK73GB1H104K	CHIP C	0.10UF	K	
C218			CK73GB1H104K	CHIP C	0.10UF	K	
C219			CK73EB1A475K	CHIP C	4.7UF	K	
C220			CK73GB1H104K	CHIP C	0.10UF	K	
C221-224			CK73GB1A105K	CHIP C	1.0UF	K	
C225			CK73GB1H104K	CHIP C	0.10UF	K	
C226			CK73EB0J226K	CHIP C	22UF	K	
C227-232			CK73GB1A105K	CHIP C	1.0UF	K	
C233,234			CK73FB1A225K	CHIP C	2.2UF	K	
C235			CK73GB1H103K	CHIP C	0.010UF	K	
C236			CK73GB1H104K	CHIP C	0.10UF	K	
C237			CK73FB1A225K	CHIP C	2.2UF	K	
C238		*	CE32BM1C100M	CHIP EL	10UF	16WV	
C239			CK73GB1H104K	CHIP C	0.10UF	K	
C240		*	CE32BM1C100M	CHIP EL	10UF	16WV	
C241			CK73GB1H223K	CHIP C	0.022UF	K	
C242		*	CE32BM1C220M	CHIP EL	22UF	16WV	
C243			CK73GB1A474K	CHIP C	0.47UF	K	
C244			CK73GB1H223K	CHIP C	0.022UF	K	
C245			CK73FB1A225K	CHIP C	2.2UF	K	
C246-249			CK73GB1H104K	CHIP C	0.10UF	K	
C250			CK73GB1H223K	CHIP C	0.022UF	K	
C251			CK73FB1A225K	CHIP C	2.2UF	K	
C252			CC73GCH1H180J	CHIP C	18PF	J	
C253			CC73GCH1H270J	CHIP C	27PF	J	
C254			CK73GB1H104K	CHIP C	0.10UF	K	
C255-257			CK73FB1H334K	CHIP C	0.33UF	K	
C258			CK73GB1H104K	CHIP C	0.10UF	K	
C259			CE32CL0J101M	CHIP EL	100UF	6.3WV	
C260			CK73GB1H104K	CHIP C	0.10UF	K	
C261		*	CE32BM1C100M	CHIP EL	10UF	16WV	
C262			CK73GB1H104K	CHIP C	0.10UF	K	
C263			CC73GCH1H030C	CHIP C	3.0PF	C	
C264			CK73GB1H104K	CHIP C	0.10UF	K	
C271-273			CK73GB1A105K	CHIP C	1.0UF	K	
C274-276			CK73GB1H104K	CHIP C	0.10UF	K	
C277			CE32CL1C470M	CHIP EL	47UF	16WV	
C278			CK73GB1H104K	CHIP C	0.10UF	K	
C301,302			CK73GB1H103K	CHIP C	0.010UF	K	
C303,304		*	CE32BM1C220M	CHIP EL	22UF	16WV	
C306			CK73EB1A106K	CHIP C	10UF	K	
C307			CC73GCH1H100D	CHIP C	10PF	D	
C308			CK73GB1H104K	CHIP C	0.10UF	K	
C309			CC73GCH1H681J	CHIP C	680PF	J	
C310			CK73GB1H104K	CHIP C	0.10UF	K	
C312		*	CE32BM1C100M	CHIP EL	10UF	16WV	
C313			CK73GB1H104K	CHIP C	0.10UF	K	
C314			CE32BJ0J470M	CHIP EL	47UF	6.3WV	

Ref. No.	Add	New	Parts No.	Description			Destination
C315			CK73GB1H104K	CHIP C	0.10UF	K	
C316			CC73GCH1H470J	CHIP C	47PF	J	
C317			CK73GB1H104K	CHIP C	0.10UF	K	
C318			CE32CL0J101M	CHIP EL	100UF	6.3WV	
C319			CK73FB1C105K	CHIP C	1.0UF	K	
C320			CC73GCH1H101J	CHIP C	100PF	J	
C322			CC73GCH1H150J	CHIP C	15PF	J	
C323			CC73GCH1H330J	CHIP C	33PF	J	
C324			CC73GCH1H470J	CHIP C	47PF	J	
C325			CK73GB1H103K	CHIP C	0.010UF	K	
C326			CC73GCH1H101J	CHIP C	100PF	J	
C327			CK73GB1H104K	CHIP C	0.10UF	K	
C328,329			CE32BJ0J470M	CHIP EL	47UF	6.3WV	
C330			CK73GB1H104K	CHIP C	0.10UF	K	
C331			CK73GB1H103K	CHIP C	0.010UF	K	
C332			CK73EB1E225K	CHIP C	2.2UF	K	
C334			CK73FB1C105K	CHIP C	1.0UF	K	
C335,336			CK73GB1H103K	CHIP C	0.010UF	K	
C339			CK73GB1H104K	CHIP C	0.10UF	K	
C401			CK73GB1H104K	CHIP C	0.10UF	K	
C402-407			CK73GB1H103K	CHIP C	0.010UF	K	
C415		*	CE32BM1C100M	CHIP EL	10UF	16WV	
C416,417			CK73FB1C105K	CHIP C	1.0UF	K	
C418		*	CE32BM1C100M	CHIP EL	10UF	16WV	
C419,420			CK73GB1H103K	CHIP C	0.010UF	K	
C421		*	CE32BM1C100M	CHIP EL	10UF	16WV	
CN101		*	E41-2082-15	FLAT CABLE CONNECTOR			
CN104		*	E41-2483-05	PIN ASSY			
CN111		*	E41-2082-15	FLAT CABLE CONNECTOR			
CN112		*	E41-2539-05	PIN ASSY			
CN301			E41-2208-05	FLAT CABLE CONNECTOR			
CN401			E41-2276-05	FLAT CABLE CONNECTOR			
J1		*	E59-0845-05	RECTANGULAR PLUG			
J2		*	E58-1036-05	RECTANGULAR RECEPTACLE			
J3		*	E58-1017-05	RECTANGULAR RECEPTACLE			
L101			L33-2258-05	SMALL FIXED INDUCTOR (47UH)			
L102		*	L19-0787-05	TRANSFORMER FOR CONVERTER			
L103			L19-0768-05	TRANSFORMER FOR CONVERTER			
L104,105		*	L33-2204-05	SMALL FIXED INDUCTOR (47UH)			
L106,107			L33-2230-05	SMALL FIXED INDUCTOR (100UH)			
L108			L33-2258-05	SMALL FIXED INDUCTOR (47UH)			
L109			L92-0371-05	FERRITE CORE			
L110			L33-2258-05	SMALL FIXED INDUCTOR (47UH)			
L201		*	L41-3305-33	SMALL FIXED INDUCTOR (33UH)			
L202			L92-0332-05	CHIP FERRITE			
L301		*	L41-1595-33	SMALL FIXED INDUCTOR (1.5UH)			
L302			L41-1091-15	SMALL FIXED INDUCTOR (1.0UH)			
X1		*	L78-1212-05	RESONATOR (16.00MHZ)			
X201		*	L77-2807-05	CRYSTAL RESONATOR (4.433619MHZ)			
X202		*	L77-2806-05	CRYSTAL RESONATOR (3.579545MHZ)			
X203			L78-0549-05	RESONATOR (15.734KHZ)			
CP1			RK74GB1J103J	CHIP-COM	10K	J 1/16W	
CP2 ,3			RK74GB1J101J	CHIP-COM	100	J 1/16W	

E : Europe **K** : North America **M** : Other Areas **W** : Without Europe

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PARTS LIST

VIDEO UNIT (X35-4xxx-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
CP5 ,6			RK74GB1J101J	CHIP-COM 100 J 1/16W	
CP8 -10			RK74GB1J101J	CHIP-COM 100 J 1/16W	
CP11			RK74GB1J103J	CHIP-COM 10K J 1/16W	
CP12-17			RK74GB1J101J	CHIP-COM 100 J 1/16W	
CP18			RK74GB1J103J	CHIP-COM 10K J 1/16W	
CP201			RK74GB1J101J	CHIP-COM 100 J 1/16W	
CP302			RK74GB1J102J	CHIP-COM 1.0K J 1/16W	
CP304			RK74GB1J101J	CHIP-COM 100 J 1/16W	
CP305			RK74GB1J102J	CHIP-COM 1.0K J 1/16W	
CP306,307			RK74GB1J101J	CHIP-COM 100 J 1/16W	
R1			RK73GB2A104J	CHIP R 100K J 1/10W	
R2			RK73GB2A103J	CHIP R 10K J 1/10W	
R3,4			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R5-7			RK73GB2A621J	CHIP R 620 J 1/10W	
R8			RK73GB2A223J	CHIP R 22K J 1/10W	
R9,10			RK73GB2A103J	CHIP R 10K J 1/10W	
R11			RK73GB2A223J	CHIP R 22K J 1/10W	
R12			RK73GB2A101J	CHIP R 100 J 1/10W	
R13			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R14			RK73GB2A223J	CHIP R 22K J 1/10W	
R15			RK73GB2A331J	CHIP R 330 J 1/10W	
R16			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R17			RK73GB2A103J	CHIP R 10K J 1/10W	
R20,21			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R22			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R101-104			RK73FB2B750J	CHIP R 75 J 1/8W	
R105,106			RK73FB2B101J	CHIP R 100 J 1/8W	
R107-109			RK73EB2E100J	CHIP R 10 J 1/4W	
R110			RK73FB2B101J	CHIP R 100 J 1/8W	
R111			RK73EB2E100J	CHIP R 10 J 1/4W	
R112			RK73FB2B101J	CHIP R 100 J 1/8W	
R113			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R114		*	RK73PB2H470J	CHIP R 47 J 1/2W	
R115			RK73EB2E332J	CHIP R 3.3K J 1/4W	
R116			RK73GB2A104J	CHIP R 100K J 1/10W	
R117-120			RK73FB2B101J	CHIP R 100 J 1/8W	
R121,122			RK73GB2A101J	CHIP R 100 J 1/10W	
R123			RK73GB2A470J	CHIP R 47 J 1/10W	
R124-128			RK73GB2A101J	CHIP R 100 J 1/10W	
R129			RK73GB2A470J	CHIP R 47 J 1/10W	
R130			RK73GB2A101J	CHIP R 100 J 1/10W	
R131			RK73GB2A183J	CHIP R 18K J 1/10W	
R132			RK73GB2A333J	CHIP R 33K J 1/10W	
R134			RK73GB2A473J	CHIP R 47K J 1/10W	
R135			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R136			RK73GB2A223J	CHIP R 22K J 1/10W	
R137			RK73GB2A470J	CHIP R 47 J 1/10W	
R138			RK73GB2A101J	CHIP R 100 J 1/10W	
R139			RK73GB2A104J	CHIP R 100K J 1/10W	
R140,141			RK73SB3A1R0J	CHIP R 1.0 J 1W	
R142			RK73GB2A223J	CHIP R 22K J 1/10W	
R143			RK73GB2A303J	CHIP R 30K J 1/10W	
R144			RK73GB2A103J	CHIP R 10K J 1/10W	
R145-148			RK73GB2A101J	CHIP R 100 J 1/10W	
R150-153			RK73GB2A103J	CHIP R 10K J 1/10W	

Ref. No.	Add	New	Parts No.	Description	Destination
R154			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R155			RK73GB2A221J	CHIP R 220 J 1/10W	
R157			RK73GB2A393J	CHIP R 39K J 1/10W	
R158			RK73GB2A563J	CHIP R 56K J 1/10W	
R159			RK73GB2A823J	CHIP R 82K J 1/10W	
R160			RK73GB2A563J	CHIP R 56K J 1/10W	
R161			RK73GB2A103J	CHIP R 10K J 1/10W	
R162			RK73GB2A752J	CHIP R 7.5K J 1/10W	
R163			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R164			RK73GB2A221J	CHIP R 220 J 1/10W	
R165			RK73GB2A393J	CHIP R 39K J 1/10W	
R166			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R167			RK73GB2A470J	CHIP R 47 J 1/10W	
R168			RK73GB2A223J	CHIP R 22K J 1/10W	
R169			RK73EB2E471J	CHIP R 470 J 1/4W	
R170			RK73GB2A183J	CHIP R 18K J 1/10W	
R171,172			RK73GB2A103J	CHIP R 10K J 1/10W	
R173			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R175			RK73GB2A151J	CHIP R 150 J 1/10W	
R176			RK73GB2A304J	CHIP R 300K J 1/10W	
R177			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R178			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R179			RK73GB2A304J	CHIP R 300K J 1/10W	
R180			RK73GB2A432J	CHIP R 4.3K J 1/10W	
R181-183			RK73GB2A104J	CHIP R 100K J 1/10W	
R184			RK73GB2A224J	CHIP R 220K J 1/10W	
R185,186			RK73GB2A103J	CHIP R 10K J 1/10W	
R189,190			RK73GB2A330J	CHIP R 33 J 1/10W	
R201			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R202			RK73GB2A101J	CHIP R 100 J 1/10W	
R203			RK73FB2B750J	CHIP R 75 J 1/8W	
R204			RK73GB2A914J	CHIP R 910K J 1/10W	
R205			RK73GB2A103J	CHIP R 10K J 1/10W	
R206			RK73GB2A104J	CHIP R 100K J 1/10W	
R207			RK73GB2A391J	CHIP R 390 J 1/10W	
R208			RK73GB2A182J	CHIP R 1.8K J 1/10W	
R209			RK73GB2A302J	CHIP R 3.0K J 1/10W	
R210			RK73GB2A331J	CHIP R 330 J 1/10W	
R211			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R212			RK73GB2A101J	CHIP R 100 J 1/10W	
R213			RK73GB2A105J	CHIP R 1.0M J 1/10W	
R214			RK73GB2A361J	CHIP R 360 J 1/10W	
R215			RK73GB2A103J	CHIP R 10K J 1/10W	
R216			RK73GB2A100J	CHIP R 10 J 1/10W	
R217,218			RK73GB2A101J	CHIP R 100 J 1/10W	
R219,220			RK73GB2A100J	CHIP R 10 J 1/10W	
R221-223			RK73GB2A330J	CHIP R 33 J 1/10W	
R224-226			RK73GB2A100J	CHIP R 10 J 1/10W	
R227			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R228			RK73GB2A100J	CHIP R 10 J 1/10W	
R229,230			RK73GB2A101J	CHIP R 100 J 1/10W	
R231			RK73GB2A105J	CHIP R 1.0M J 1/10W	
R232			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R233			RK73GB2A103J	CHIP R 10K J 1/10W	
R234,235			RK73GB2A101J	CHIP R 100 J 1/10W	

E : Europe **K** : North America **M** : Other Areas **W** : Without Europe

⚠ Indicates safety critical components.

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PARTS LIST

VIDEO UNIT (X35-4xxx-xx)

Ref. No.	Add	New	Parts No.	Description				Destination
R236			RK73GB2A273J	CHIP R	27K	J	1/10W	
R237			RK73GB2A752J	CHIP R	7.5K	J	1/10W	
R238,239			RK73GB2A101J	CHIP R	100	J	1/10W	
R240			RK73GB2A100J	CHIP R	10	J	1/10W	
R241			RK73GB2A103J	CHIP R	10K	J	1/10W	
R242			RK73GB2A682J	CHIP R	6.8K	J	1/10W	
R243			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R244			RK73GB2A681J	CHIP R	680	J	1/10W	
R245			RK73GB2A331J	CHIP R	330	J	1/10W	
R246,247			RK73GB2A101J	CHIP R	100	J	1/10W	
R248			RK73GB2A681J	CHIP R	680	J	1/10W	
R249			RK73GB2A202J	CHIP R	2.0K	J	1/10W	
R301-303			RK73GB2A100J	CHIP R	10	J	1/10W	
R304			RK73GB2A101J	CHIP R	100	J	1/10W	
R305			RK73GB2A220J	CHIP R	22	J	1/10W	
R306			RK73GB2A103J	CHIP R	10K	J	1/10W	
R307			RK73GB2A474J	CHIP R	470K	J	1/10W	
R308			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R309			RK73GB2A223J	CHIP R	22K	J	1/10W	
R310			RK73GB2A105J	CHIP R	1.0M	J	1/10W	
R311			RK73GB2A683J	CHIP R	68K	J	1/10W	
R312			RK73GB2A103J	CHIP R	10K	J	1/10W	
R313			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R314,315			RK73GB2A182J	CHIP R	1.8K	J	1/10W	
R316			RK73GB2A562J	CHIP R	5.6K	J	1/10W	
R317			RK73GB2A223J	CHIP R	22K	J	1/10W	
R319,320			RK73GB2A101J	CHIP R	100	J	1/10W	
R324			RK73GB2A105J	CHIP R	1.0M	J	1/10W	
R325			RK73GB2A101J	CHIP R	100	J	1/10W	
R326-329			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R331			RK73GB2A101J	CHIP R	100	J	1/10W	
R333			RK73GB2A101J	CHIP R	100	J	1/10W	
R334			RK73GB2A121J	CHIP R	120	J	1/10W	
R335			RK73GB2A101J	CHIP R	100	J	1/10W	
R336			RK73GB2A103J	CHIP R	10K	J	1/10W	
R337			RK73GB2A101J	CHIP R	100	J	1/10W	
R338			RK73GB2A105J	CHIP R	1.0M	J	1/10W	
R339,340			RK73GB2A473J	CHIP R	47K	J	1/10W	
R341			RK73GB2A822J	CHIP R	8.2K	J	1/10W	
R342			RK73GB2A682J	CHIP R	6.8K	J	1/10W	
R343			RK73GB2A271J	CHIP R	270	J	1/10W	
R344,345			RK73GB2A103J	CHIP R	10K	J	1/10W	
R346			RK73GB2A101J	CHIP R	100	J	1/10W	
R348			RK73GB2A432J	CHIP R	4.3K	J	1/10W	
R401			RK73GB2A220J	CHIP R	22	J	1/10W	
R403			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R405-410			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R411-416			RK73GB2A681J	CHIP R	680	J	1/10W	
R418			RK73GB2A101J	CHIP R	100	J	1/10W	
R419			RK73GB2A100J	CHIP R	10	J	1/10W	
R420			RK73GB2A683J	CHIP R	68K	J	1/10W	
R421			RK73GB2A473J	CHIP R	47K	J	1/10W	
R422			RK73GB2A100J	CHIP R	10	J	1/10W	
R423,424			RK73GB2A333J	CHIP R	33K	J	1/10W	
R425,426			RK73EB2E100J	CHIP R	10	J	1/4W	

Ref. No.	Add	New	Parts No.	Description				Destination
R427,428			RK73EB2E4R7J	CHIP R	4.7	J	1/4W	
R431			RK73GB2A100J	CHIP R	10	J	1/10W	
R432,433			RK73EB2E4R7J	CHIP R	4.7	J	1/4W	
R434			RK73GB2A101J	CHIP R	100	J	1/10W	
VR301		*	R32-0328-05	SEMI FIXED VARIABLE RESISTOR				
W105			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W109			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W115			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W127-130			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W303,304			R92-1252-05	CHIP R	0 OHM	J	1/16W	
S401-406		*	S70-0932-05	TACT SWITCH				
S407			S70-0851-05	TACT SWITCH				
BZ1		*	T95-0263-05	PIEZOELECTRIC VIBRATOR				
D101-104			MA3056WA	ZENER DIODE				
D106			EC31QS04AG	DIODE				
D107			UDZS6.8B	ZENER DIODE				
D108-110		*	EC10QS10AG	DIODE				
D111			SB05-05CP-E	DIODE				
D201-204			DA204U	DIODE				
D205			DAN202U	DIODE				
D206			UDZS7.5B	ZENER DIODE				
D301			AVRM1608120M6A	VARISTOR				
D302		*	MA2X335	VARIABLE CAPACITANCE DIODE				
D402-407			UDZS5.1B	ZENER DIODE				
D408			DAN202U	DIODE				
D409-412			AVRM1608120M6A	VARISTOR				
D413			UDZS5.1B	ZENER DIODE				
D414			AVRM1608120M6A	VARISTOR				
D415			UDZS5.1B	ZENER DIODE				
D416			AVRM1608120M6A	VARISTOR				
D417			UDZS6.8B	ZENER DIODE				
D419			DA204U	DIODE				
D420,421			AVRM1608120M6A	VARISTOR				
IC1		*	M306VPMGD512F	MICROPROCESSOR IC				
IC2		*	S-80830CNNB-G	MOS-IC				
IC3			S-24CS04AFT	ROM IC				
IC101,102			TC74VHCT08AFT	MOS-IC				
IC103			TC7WH34FU-F	MOS-IC				
IC104			BA9743AFV	ANALOGUE IC				
IC105			TC7SH08FU-F	MOS-IC				
IC106		*	MP1015EMC011LF	ANALOGUE IC				
IC107		*	TA58L05F	ANALOGUE IC				
IC108			SI-3033LUSNF	ANALOGUE IC				
IC109			TA48M033F-F	ANALOGUE IC				
IC201		*	TDA4665T-F	ANALOGUE IC				
IC202			BA7606F	ANALOGUE IC				
IC204			TC7WH34FU-F	MOS-IC				
IC205			NJW1303V-ZB	ANALOGUE IC				
IC206			TC7SH00FU-F	MOS-IC				
IC207			AN2546FH-AV	ANALOGUE IC				
IC208			TA78L05F-F	ANALOGUE IC				
IC301			NJM4565V-ZB	ANALOGUE IC				
IC302			MN5814UB	ANALOGUE IC				

E : Europe **K** : North America **M** : Other Areas **W** : Without Europe

⚠ Indicates safety critical components.

PARTS LIST

VIDEO UNIT (X35-4xxx-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
IC401			RS-171	ANALOGUE IC	
IC402			TPS855	ANALOGUE IC	
Q1			DTA124EUA	DIGITAL TRANSISTOR	
Q2,3			DTC124EUA	DIGITAL TRANSISTOR	
Q108			DTA124EUA	DIGITAL TRANSISTOR	
Q109			2SC4081	TRANSISTOR	
Q110			IMZ4	TRANSISTOR	
Q111		*	2SJ599-Z-E	FET	
Q112			DTC124EUA	DIGITAL TRANSISTOR	
Q116			IMZ4	TRANSISTOR	
Q117		*	2SJ599-Z-E	FET	
Q118			DTA124EUA	DIGITAL TRANSISTOR	
Q201			2SC4081	TRANSISTOR	
Q202			DTC124EUA	DIGITAL TRANSISTOR	
Q203			2SC4081	TRANSISTOR	
Q204			2SA1576A	TRANSISTOR	
Q205			2SC4081	TRANSISTOR	
Q301			IMZ4	TRANSISTOR	
Q302			2SC4081	TRANSISTOR	
Q402			PUMD13	DUAL TRANSISTOR	
Q403			DTC124EUA	DIGITAL TRANSISTOR	
Q404			PUMD13	DUAL TRANSISTOR	

Ref. No.	Add	New	Parts No.	Description	Destination

E : Europe **K** : North America **M** : Other Areas **W** : Without Europe

⚠ Indicates safety critical components.

LZ-760R

SPECIFICATIONS

Monitor Unit

Screen size ..... 7.0 inches wide
..... 154.1 (W) x 87.0 (H) x 177.0 (Diagonal) mm
..... 6-1/16 (W) x 3-7/16 (H) inches
Display system ..... Transparent TN LCD panel
Drive system ..... TFT active matrix system
Number of pixels ..... 336,960pixels (480H x 234V x RGB)
Effective pixels 99.99%
Pixel arrangement ..... RGB striped arrangement
Back lighting Cold cathode tube
Speaker power ..... 0.5W (40 x 20mm x 1)

Video Box Unit

Colour system ..... NTSC/PAL
External video input level (RCA jacks) ..... 1±0.1Vp-p/75Ω
External audio input level (RCA jacks) 1V/55kΩ
Video output level (RCA jacks) ..... 1±0.1Vp-p/75Ω
Audio output level (RCA jacks) 1V/1kΩ
Analog RGB input 0.7Vp-p/75Ω

General

Operating voltage ..... 14.4V DC (11-16 V)
Consumed Power 14W
Operational temperature range ..... -10°C to +60°C
Storage temperature range ..... -30°C to +80°C
Size
(Monitor unit) ..... 178 (W) x 125 (H) x 37 (D) mm
..... 7 (W) x 4-15/16 (H) x 1-7/16 (D) inches
(Video box unit) ..... 188 (W) x 30 (H) x 144 (D) mm
..... 7-3/8 (W) x 1-3/16 (H) x 5-11/16 (D) inches
Mass
(Monitor unit) ..... 540g (1.19 LBS)
(Video box unit) ..... 680g (1.50 LBS)

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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